

# 3



## SEQUENCE LISTING

<110> Robert Schlegel,  
Wilson Endege  
John Monahan

<120> NOVEL GENES, COMPOSITIONS, KITS, AND  
METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND  
THERAPY OF HUMAN PROSTATE CANCER

<130> MRI-007B

<140> 09/785,276

<141> 2001-02-16

<150> 60/183,319

<151> 2000-02-17

<150> 60/189,862

<151> 2000-03-16

<150> 60/207,454

<151> 2000-05-25

<150> 60/211,314

<151> 2000-06-09

<150> 60/219,007

<151> 2000-07-18

<150> 60/255,281

<151> 2000-12-13

<160> 262

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 560

<212> DNA

<213> Homo sapiens

<400> 1

```
ggctcaagat ggacttttta tactgcaagc tgtgggttttg tgggtcatgt tttaggaagg 60
cagcaatgta tttgggtgcag aggaccgcaa cccttgaaat atgtgctttg gcattttaag 120
cagacatatt tgttaaatta ctgcttgacc acgaatgttg tcattgagtc acccccagct 180
ttttgggggc tatttcttac tgctctcttc tctgcttggg cagctgtaac aatgtaggaa 240
tgttgaatgt ctagctgcta ctatctctca gactcttatc ctgcccacag ttctgtatgc 300
ctcttaggcc tggcacaaca tcatggtggt gcttatgcct cattagacct gctgcttaag 360
ggaattaaat gataccctaa tgggtctaaaa agggtaatgt atttccgagc atgtcatatt 420
tactgtagga gggtggggaa ggcgtcacag gcaactgtaag tggtagtaat tacctatccg 480
tatagatatt tgtgtaattt tgttggtgtg agacaatgca taatggtaag tttgagagct 540
tttcagtcac attggtgaag
```

<210> 2

<211> 352

<212> DNA

<213> Homo sapiens

<400> 2

```
cacgcgtccg gtgctgtggc gcggggagac cgcctgacct ggcgcgcccg aggccttgcg 60
ggccgctgcg agcccgcggc aagcgcttgg gcttcatcac caacaacagc agcaagacct 120
gcgctgccta cgccgagaag ctgcggcgcc tgggcttcgg cgcccccgcg gggcccgggc 180
ccagcctgga ggtcttcggc acggcctact gcaccgcgt ctacctgcgc cagcgcttgg 240
ccggcgcccc cgcgcccaag gcctacgtgc tgggcagccc agccttggcc gcggagctgg 300
aggcctgtgg cgtcgccagc gtgggctgtg ggcccagacc actgcagggc ga 352
```

&lt;210&gt; 3

&lt;211&gt; 303

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 3

```
cgaaattggt tgagccttga ttcgatcatg aaaccagctt acccttcccc tgtgtgctgg 60
ccccagtttt ctaaccaggt gttgaatgaa ctggatggac tctgccagat ccctccgtgc 120
aaggctggaa tcagtcctatt gttcaactgt gccctttggg gctgtgggtc atttggtctt 180
gatttttctt atatgttctc tcctccaacc cccatagctc catcttgtct acaagatttt 240
gttagaagcc gtcaaaatcc tgctgactcg agatgcgctg tgggtgcatgt tttccccggg 300
cac 303
```

&lt;210&gt; 4

&lt;211&gt; 466

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 4

```
tccgcggatt ctgcgtgttt gaggccagcc agatcagcaa ggagatctgt gaggcccacg 60
acatcctcat gtgtcccctc ggcgaccaca gccgcaggta ccagcggtc tcggaaacct 120
gcacttttgc caagctcacc cacctctttg acaatgatgg cacggtgggtg ttcgccatct 180
tcattggtct ctggggccag gtgttccttg agatctggaa gcggcagcgc gcccgctgg 240
tcctgcactg ggacctgtac gtgtgggacg aggaacagga ggaaatggca cttcagctca 300
ttaactgccc cgactacaag ctccggccat accagcactc ctacctacgc agcaccgtca 360
tcctcgctct gacctgtctc atgatctgcc tcatgatcgg catggcccac gtcctggtgg 420
tctaccgcgt tctggcctcc gcgctcttca gcagctcggc cgtgcc 466
```

&lt;210&gt; 5

&lt;211&gt; 412

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 5

```
gtccgctcat gcggattgca ttgtgaacgt actgacatag aaaacacgta gaagagggcg 60
tgccacatac aagtgtctatt tcagtgttag ctatggagct ttcttttctt cttttttagg 120
acttttgtaa ttattaaaat ttttgagcat cttttacagt ggggtcaaata tcttattttg 180
tgatgtcagc agtatacccc ctgagcagcg gcatgccata tccagcgctg gagccctttc 240
ccaggctgat cccgaggccc tttcaaccag ggacgtgtag ctccagtggt acaaactcct 300
ttcctagggg cttctttcac cagaccactt gtcggtgcgt tcaagaaaag ggtaagaac 360
tatgggatga ttggttcgag acagaatagg aaggaaggct gcttgagaag ga 412
```

&lt;210&gt; 6

&lt;211&gt; 536

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 6

```
ccacgcgtcc gccacgcgt ccggtcccag acgggctttt ccagaagct aaaagagaag 60
ggccagagaa tgcgtccca gccagcaggg aaccagacct ccccggggc cacagaggac 120
tactcctatg gcagcgtggg aactcgtatg tagccccagg ggtggcgagg agctccagcc 180
agagggggaa gtctctctgc cacaccagca taccacccgg cctgtaccac gctgctctgg 240
cctcgtctgc aatccttgtg ctgctgctcc tggccatgct ggtgaggcgc cgccagctct 300
ggcctgactg tgtgcgtggc aggcccggcc tgcccagccc tgtggatttc ttggctgggg 360
```

```
acaggccccg ggcagtgcct gctgctgttt tcatggctct cctgagctcc ctgtgtttgc 420
tgctccccga cgaggacgca ttgcccttcc tgactctcgc ctgagcaccg agccaagatg 480
ggaaaaactga agctccaaga ggggcctgga agatactggg actgttctat tatgct 536
```

<210> 7  
<211> 429  
<212> DNA  
<213> Homo sapiens

```
<400> 7
acgcggggct tgcattctctg gggccaagga gtgggtgggtg agatcttcca tggccctggc 60
atgggtgata taagcgggac cggtaagggtg gtggagctct taccagaccg tgcagaaccg 120
tctccgtggg gttgaacttc ctggaaccag ggtgttgcat gttttcctca taatgcaggt 180
tggtgatggg gaagttgagg gtgaacggca ccaggagagg gccagcagtt gtggggctgg 240
ggaggaggga tggagtccct gacccaaggt ccactgtgga ggtcccagga gctgaaaaaa 300
gtcctcatca gtgaaagcag aaagcactct catggcagaa acggcaagaa gatagactat 360
tatgaggtct gctgcatgtg ggcttgagct gggctctgtc ttggagctgg ggcagagggg 420
agcttgagt 429
```

<210> 8  
<211> 509  
<212> DNA  
<213> Homo sapiens

```
<400> 8
cccgcccccg gggtaagaaa agaattgctgt gtttgcaagc aagtctttat gtttgatgtt 60
aggaagttaa gaaaattatt aataaattgt ctttgcttgg agaaatagga ggcaagatta 120
tcttctaatt gggaaaatgc agcagaaggc attggcaata atgagactgg aggtttaaca 180
acagtggaga agtttcgaaa tagctgctgt ggcaaacaag agaggtgact agggaaatatt 240
gaagaaatgc cagggtcac atgaggctag agatcaagaa atcactgtag tactaatcta 300
cacagttgtg gatgtttgtc cagcagcatt gagcagactg aataaattta aattaatgta 360
ggcttgaagc ttcacgggt tatttttgct ttgtattgtg ttgctttgtg tttgatagca 420
gtacaacaag gcagtatggt taagaacatt ggcaaggcaa tggttgaagt gacaaagcat 480
aaaatctaaa ctgaacatga atggcaatg 509
```

<210> 9  
<211> 360  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(360)  
<223> n = A,T,C or G

```
<400> 9
cgccncgtt ttttnaaaag aaaatagatg aaaaaaactc caagatgacc actttcgatg 60
ttgtatgtca atcctgaatt ctgtagctg gtgagagagg cacaagagat gctaaaggag 120
aatgcaggat ccagcagcgt tgatggcgac agcagctcag ccgcacgttg tcgagcactg 180
gatagttgat taaaagcgtt tccatcactc attcagcaag cactggccaa gccacctgtc 240
atgtgctagg catatctgtg acctcattta cctgctcact gtggctgtta caataaagg 300
gtggaaagcg agaggcagag ctgttggtct tctcgagctc aggacttgag ccctgatctt 360
```

<210> 10  
<211> 379  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature

<222> (1)...(379)

<223> n = A,T,C or G

<400> 10

```
acgactcact attntnnggn naattggagc tccaccgcgg tggcgggcgt taaacatgtg 60
tcaactgggca ggcggtgcct ctaatactgg tgatgctaga ggtgatgttt ttggtaaaca 120
ggcgggggtaa gatttgccga gttcctttta ctttttttaa ccttttcctta tgagcatgcc 180
tgtgttgggt tgacagttag ggttaataatg acttggtggg tgattgtaga tattgggctg 240
ttaattgtca gttcagtgtt ttgatctgac gcaggcttat gcggaggaga atgttttcat 300
gttacttata ctaacattag ttcttctata gggatgtaga ttggtccaat tgggtgtgag 360
gagttcagtt atatgtttg 379
```

<210> 11

<211> 487

<212> DNA

<213> Homo sapiens

<400> 11

```
tccaggacac ctgacatgtt cccactgcag aaaccacacg ggtttctcca gcaccactga 60
gacttgctca gcctgtgtag agtagcctgg acatactggg gctttatatt cctgaggaca 120
accctcaacc aatgagtgcc aggaatcagt gagtaactgc ccacctgttt tccccctca 180
ccggataatt ctgaagcatc ttttaccag ctctgcagag gatccctgca ggactgagcc 240
tggtgcccgc agtgatcatc tgcacttcaa tgcacctttc cttggctttc cgccctgcgc 300
cgtttctcac ttctccacta cttggagtc tttccaaaga aactatccat acctgaaatc 360
tacttttacg taaacccaag ctaagacggg ggaatattgc ttcattttga agtcagtggg 420
agcaattaaa agcttaaaca ggggcttggg tgtatgtgga ttggcagctg aggaccccag 480
gggtggg 487
```

<210> 12

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(319)

<223> n = A,T,C or G

<400> 12

```
cgctacttag ggcgaattgg agctccccgc ggtggcgggc gaggtacagc ctggaccacc 60
cctggtgtgt agctagtaag attaccctga gctgcagctg agcctgagcc aatgggacag 120
ttacacttga cagacaaaaga tgggtggagat tggcatacca ttgaaactaa agagctcttn 180
aagtcaangg aagctgggct gggcagtatc cccggcttta gttcttcact ggggagggat 240
tcttgaccna gcacaaaac ttaacaaaag tnnntntaaa atnnaaagnc naattaaaaat 300
nttaaaaaaa aaaaaaaaaa 319
```

<210> 13

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(431)

<223> n = A,T,C or G

<400> 13

```
gacccccgcg tccgcaagga cacacatgcg ctggagcagg cactggactt tgtgcgtgcc 60
tcaactcagcc gtggtgctga tggctcacgc cacatctgcc ccgacggctc ttatgcgacc 120
catggtgatg ctcccactgc catcactggg gttattggcg gttcctacag tgatgtctcc 180
atccagggtg ccaacctctt gaggctatct cagatcccac agattancta cgcnttttnc 240
```

```
agncncnaaa ttgaganana angccctnnt ttnanttant ttccccnaaa agtgccttct 300
tgnntttttt taaagccaac cccnatggnc cttnaatnat tttttttcaa aaaaaaanta 360
annntnttnn nntntnnnnn nannaanna aaaaaggncg ggcccgnta anacttagtt 420
ttaanaaaaa a 431
```

<210> 14  
<211> 225  
<212> DNA  
<213> Homo sapiens

```
<400> 14
ttggagctca ccgcggtggc ggccgaggtc gcccggccag ccttcaagat gggtttgtca 60
attcggccac ctccagccac cacaccaacc acagctctgt tggctgagga gataaccttc 120
ttggagcccg agggcagctt cacacagggt cttcttgggt tcaggggtgt gggagataac 180
aggtggcata gttccctgat gcccgggccc ccgcgtacct gcccg 225
```

<210> 15  
<211> 519  
<212> DNA  
<213> Homo sapiens

```
<400> 15
cgtccgtgtg attgcagttg gcaataggaa aaaatggaaa aagggtgttc ataagtagaa 60
gatattctga gtgatttgga gtaattgatt tccatttcca tttttgtttt atgtactaat 120
tattttataa tttagcattt taatcctaatt ttagaattct agtcagaga tgatcagaga 180
catatttcac ccaaattagt gttgaataaa tgataagact gaaattcggg agcaataaaag 240
tataatttcat gttttccttt ctgaatttat agtaatatca gcataaaaaaa tgaagaacca 300
cagaatggct gcagatgttc cttgtctttt ccatgactga catttttcat gtgagtgtat 360
tatgtatgta ggagctctgg gcagttcttt cttaactatg tagcaattgc agagcacagt 420
ttcaaagcat aaagaagaaa caaattggga agaattggcag aagaagacaa gttgaaatta 480
gatgccagaa ctgcagatta cttggttgaa atgtctttg 519
```

<210> 16  
<211> 423  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(423)  
<223> n = A,T,C or G

```
<400> 16
agctccccgc ggtggcggcc gcccgggcag gtacaaagat atttatgata catgtatgac 60
ttgtctaagt tattaacatt ttctctagcc ttaggtaatg catgaaagca catgtttcag 120
tgccactcac ataagaagtg cccggttaagt gttagctatt attgtctact tgagttacta 180
ctttctaaaa gtatgttgaa gtctttttct gtaattgcag atttggtgat tttgcatttg 240
agtattttct atattttgaa gctgttagat gcatagtcac gatttttggg ggaatgtttt 300
atcaattttt gaaaattgcc tttgtctcat ataattgctt tcatattgaa ctatattttg 360
tctgctatta aatacttcca agcctcaaaa aanaaaanaa ntaaaaaaa aanngcttga 420
cct 423
```

<210> 17  
<211> 364  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(364)  
<223> n = A,T,C or G

<400> 17  
tactnaaggga gaacaaangc tgggnaccgg gccccccctc gnggtcgacg gtatcnataa 60  
gcttgatata gaattcctgc anccnggggg anccactant tntagagggg ccgnggtacc 120  
gnacgggaaa gatgaaaant tanatccaag cggtaatata gcanggacta acccctatac 180  
cttntgcata nngaataaac tagaaataac tntgcangga gagccaaagc taagaccccc 240  
gaaaccagac gagttaccta anaacagcna aaagagcaca cccgtntatg tagcaaaaana 300  
ttgggannat ttataggttg aggggacaaa cntaccgagc ctggtgatag ctggttggtcc 360  
aaga

<210> 18  
<211> 380  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(380)  
<223> n = A,T,C or G

<400> 18  
ctctggccct ttctcatcta cagcatttgc tcatattttc ccctncaact gggaggaacc 60  
cctccccaac ttcttttntt ccaagcttaa tgattttctca taaacttttc tctgagcccc 120  
taggaaaaaa actgtgtttt ctttgctgcc cccaacat agtagtcaac tttaaaattg 180  
gcattaacac attccccctt gtcttacaca tatacatttc ttacactcc tatttgatga 240  
caggtccatc caggaaagna atcatatctt ctatgcctta ttccctagag taacttgtgt 300  
attacaggtg ttcaatgatg ggtaatgatt aagtgaanaag atcanggcac gaggnatgtg 360  
tgcaaaaggc tgggggctgt

<210> 19  
<211> 411  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(411)  
<223> n = A,T,C or G

<400> 19  
gtcncccaag cgctccggcng ccaagccttt tgcccacctg agccacggag acagccctgt 60  
gtccacctcc acccctctcc cggagaagac cctggcttcc ttcagcacc agtgagacct 120  
ggatcggagc cgtaccccc ggggactaga tgatgaactg gacaccggg atgccaagtt 180  
cttcagggtc attgagcagc tcaactcgca gaaacagtgg aagcagtcga aggacttcaa 240  
cccactgaca ctgtacttca gagagaagga gatggagaaa gaggaccgac tctctgcaat 300  
ccccgccttc aaatactatg aagcctgcac ctctctggtt tttctctcca acttcatcat 360  
ccagatgcta gtgacaaaaca ggccccagc tctggccatc acgtatagca t 411

<210> 20  
<211> 501  
<212> DNA  
<213> Homo sapiens

<400> 20  
agtacttgta catatctctg tgatggtgtt catctcacga tgtttgattc cattttgatg 60  
ggtttggtga tagcatgatt cctgctgtca ctatgatttg tgtttattat agctgtttcc 120  
tttttaataa aggatgctgt tgcataataa cactgacatg aagctatctt ttcagaaatt 180  
gcattctgta tgctgatata gtcattgcaa tggtgtaaag tgagtatttt gctaccaaca 240  
gagttggatt atatatttta atatatcgat tagtgtattt tgttgtttca atataagaaa 300  
ggacctatag ttatattttt tttgcatttg ttcttaggta gtatacacac tttcaaggag 360  
agatagcaca gtaggcaata caatgtggct gaagcacacc ttgatagaag aacaaataaa 420

ggactgggca gaggtgaaaa tgattatgta ggaagtagga agaaagtcag attcaccata 480  
gtcgaagagt catggcagga g 501

<210> 21  
<211> 531  
<212> DNA  
<213> Homo sapiens

<400> 21  
cgtccgggga agacatggaa gatctgggtc atgaccagga atttgatcgt ggaaaagcaa 60  
gatgcataat atctgatggt atggatgcag gcctttggca actttgtact actagggaca 120  
taatggactc tgtagtcaga gttatggcca tggccataga ctatagacgg caggcctggc 180  
ttcgacttac atctctcact aagaaaaccc aggagaagat ctcccacttg ccctttgatg 240  
gtacttcctt ttttggacaa gatgtgaaag ctgttggtgc agaagacaac aatataaaaag 300  
aaaatgacta taaagatcac aaatactata atcagcatcg atacttttat agtcatgatc 360  
agaaagcaca ttatcacaat agaggatact ccaaagggga ttggtacaaa cctcgaaacc 420  
acccctatag atatagaaag aaggggagact cttcagaacg catgggtaca agaattaata 480  
acctggttaa tgttcagcag agtagtcatt caagatccta actattttac t 531

<210> 22  
<211> 380  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(380)  
<223> n = A,T,C or G

<400> 22  
gctccccgcg gtggcgggccc aggtactcgt aggttcagta tcattggtgg ccaattgatt 60  
tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgccg tagggatggg 120  
agggcgatga ggactaggat gatggcgggc aggatagttc agacgggttc tatttcctga 180  
gccgtctgag atgttttagta ttaagttagt ttttgttggt agtgtagga aaaagggcat 240  
acagggacta nggaagcaga ataaggaaaa tgattatgag ggccgtgatc atgaaaangg 300  
tgataagctc ttctatgata ggggaagtac cgtctttagt accctacttg cgctgcatgt 360  
gccatccgcg gtccctgcccg 380

<210> 23  
<211> 415  
<212> DNA  
<213> Homo sapiens

<400> 23  
cgtcccgag gtgtggccaa cacagccggg gccttggcag gtgaggggag ggcctctgtg 60  
cccaggagtt cccctgtctg tgggggttga ggccaccgag gtgctgcagg gtgggggtgt 120  
gcctcccttc agaggggggtc cgggtgtcag aggagggcac agaccccaga gcaggcccag 180  
gagaggagga tggggctgcc ttccagggtc cactggactt tgctgacggc aggtggctca 240  
tgagtcgcca tctgccctga ctacacagata tgttcccatc ctggtagccc aggggtccccg 300  
ggataaccgc tggccccgct gagtgccatg gatgatggg gtccttcttc agctcagcct 360  
cgctggggcc ggccgtgtggc tcccattttc ctttcagcgg gacaaagggg acttg 415

<210> 24  
<211> 501  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(501)  
<223> n = A,T,C or G

&lt;400&gt; 24

```
agaaccgaga atcagctgta tggaaatgca cacaggtggc agatataaat agcagcagat 60
acacgaatca gtgcgggtcc atcatataac tcctagcttt agtctctaaa cttaggctcc 120
cactcaactc aactcctact ctaactcaag atataccata ccttggtttg ctctttctct 180
aagcatcgct gttctagtct tctaaggagc aggaatataa atctacatct atgtgaaact 240
acagcaccoc caagggaaaa taaagaatcc agtgctatcc tagtaatttt agggcagtag 300
tacagtacaa tgcaaagtat aggcttttga actaaattgg cctgggttca aatatgagcc 360
ctctcacatt ctattaggtt gaaccatata aaaatggaga tattcaatca tttttttaca 420
gtttcacgta gttcatctct gtattctagt ggtaaatcat tttaacctaa gtttcatttc 480
cttctgttgn tagttttttt a 501
```

&lt;210&gt; 25

&lt;211&gt; 515

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 25

```
atggctcgaa ttaaaaatat ataagtaaaa agtcttaact tttctcccta tcacctagcc 60
agccagttcc cctctctgga ctcaaatttg tgttactagt tctagtgtat ccttccaaga 120
tactttatct ggtacaagca gaatacattt tcttttccct gccttctttt acacaaatga 180
tttacacatt attttctact tttttcattt aatatcctaa tgagatcatt acataacagt 240
atataaagaa tctcttcac cttttttttt tttggatgtg aaaaatacca tgtgtggatt 300
agtcagagtt tactggtaca gatagtaaaa tgtccagaag acatttcac ccatggcag 360
atatttgtat tatatgataa ttttctgtag ctgcaatcgg tggaccacaa aatgtcttta 420
taatttcatt agctgttgcc aaattgcctt ccatagagat catatacatt tacattccca 480
ctggcagtgt atgaatacta ggttctccat accta 515
```

&lt;210&gt; 26

&lt;211&gt; 197

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(197)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 26

```
aaagantttc tattatgcaa agtgtttttag nactgacctg ntatatatga aagnnagnnc 60
taaaacactn tgnataanta ttacccttaa cttacacaat aatctaata ggcangtata 120
ctatnatttt aagcccatct tacacatnca ggaacatagg aacgaagatt acatganctg 180
ncactnaagn ggcctac 197
```

&lt;210&gt; 27

&lt;211&gt; 291

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(291)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 27

```
tctgcgtggc actatattat ctttcatgta tngntncatt tatttatacg catnaccttn 60
cctnatagaa tgnctatag tnccaggaaa catagnnng cctgtcntgc tcacagctgc 120
ctcactntag cccanaaaac agcctgncac tcaagttnta ggcactcaag anttatcttg 180
taagcaaatg actcttgagc tcttattaca catgaattgt tgctatgggc accagagccc 240
cttccctgag aaggaaaacc acttgcctga ggtctcaaga ctcacacatt g 291
```



<210> 28  
<211> 463  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(463)  
<223> n = A,T,C or G

<400> 28  
ctatagggcg aattggagct ccccgcggtg gcggccgccc gggcaggtac aaagaccaat 60  
tccttcctaa cctggattcc actgtccttg gtgaaaacta ctttgatgga acctaccaga 120  
tgctttatct tttgggttaa ggaactatac ctgtngaaat tcacactgcc acagngatat 180  
ttgtttcttt ccaattatnt gttgcaacan aagatgactt ttatacctct cacaatctgg 240  
ntaaaaatct tgccttggtc ctaaagatac caagtgcaca aatccgtatc agcaaaataa 300  
gaggggaagag tctgaggagg aagagatcca tgggattcat aattgaaata gagattggag 360  
accctcctat tcagttcata agcaatggca ccacaggtca gatgcagtta tctgaactcc 420  
aggaanttgc tggttctctt ggacaagctg tnatTTTTagg aaa 463

<210> 29  
<211> 400  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(400)  
<223> n = A,T,C or G

<400> 29  
cctcactttg tccctctctt ggtttctgnc gataccccctg actacgatga atcaagttta 60  
ccaaggttga ctgggtcctg tcanaccag gggatgcccc tgagcttncc tccttaccac 120  
tggaaggtc anggatgcat ggatctccac gctacacnga tctncaggct atgctcctc 180  
catnggantg tncctgggtn cntgtcctgg ggagngnang gagggaatca gnttctnact 240  
ctggcctgct cggggtgcct gaccagatn ctgnccctgc ctgccccaaa ggctaggtct 300  
tctgcgacct ttcttgggtg caaggggagt ggggcccgtg ggaangatgg accacatttt 360  
tcctctccat gctgagggac agggctctgg tagactgaaa 400

<210> 30  
<211> 391  
<212> DNA  
<213> Homo sapiens

<400> 30  
tcactatagt tcgaattagg agccccaccg cgggtggcggc cgatgtactt tttttttttt 60  
ttttttgctt tttaattgga tgccctggaga caattccatt tcaattacct tattggcatg 120  
acgagatata caagggctgc caatgtcaat acattaagac tgagcgtgct ggagcagcag 180  
ccagggttca gggcactgct gtgtcatctg cgccacgggtg cacaaggca gcttcaaaaag 240  
catttcagca tgatcgcttc cctctctccg ctccctgggga gagaaggatc ctgcacacca 300  
caggcaaate atgctgaaat tgaggtgggtg cctttgggac tcccatccca tcacagtctt 360  
gggattcttt agctgagatc tactagagcc t 391

<210> 31  
<211> 370  
<212> DNA  
<213> Homo sapiens

<400> 31  
cgaccacgcg tccgcactct aaccagacct ttctgcttat tctgtgaaat aacacaactt 60  
gggcccattc agctctttgc aggttatcag actcttgctc tatcggatcc catgtaaaga 120

```
atttctaagg attatatttct atagaaatgg gttcttcacc ccactgtttt actccaccta 180
cagtactact caaatgtgaa cagaatagga atagaaaatg aaagcaataa aatatgttca 240
aagagcattt taaaaatgta aatccatttt aggaaaatgt ctgaacctga gataaaagat 300
gaaagcaatt tagatcatta ttttattggg tggcacaggg ctagcctgca ccaacccttt 360
accaaaaaggg                                     370
```

<210> 32  
<211> 659  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(659)  
<223> n = A,T,C or G

```
<400> 32
ccacgcgtcc ggcacatttc acctgattng ngtcgacgct ttcctccccg ntcagaagtg 60
acgagactgt atggatcggt ttgtgattta aggacgaaca aactnccccg ntcccctggg 120
ctaagcaaat ctatgtttga tcttacaac tcatctcagc gattcatcca gagacatgat 180
tcattgtcca gtgtaccag tagttcttct tcaaggaaaa attctcaggg gagtaacaga 240
agcctggata caattactct atcaggagat gaaagggact ntgggagact gaatgtgaaa 300
ttgttttata attcttcagt agaacagatc tggatcacag ntttaccagg gcaagagatt 360
taagttnngc cctctagtta tgggaggaca ctctactgt ttctataaaa ggaataactta 420
cattgcccaa accagtgcac ttcaaattct cagccaagga aggttccaac gctattgaat 480
ttatgggaaa ccgtttgtat tngctattaa acttcaaaat ctacaaactg taagacttgt 540
atttaagatt caaaccacga ctcccaggaa gaaaaccatt ggagaatgct caatggcact 600
cagaaccctt gcacacagga aaaggaatac tctttggata taacaccacc ttcaaaaaa 659
```

<210> 33  
<211> 416  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(416)  
<223> n = A,T,C or G

```
<400> 33
cgccnccgct ccgggataga gcaggcacct gggttctggg aggcctggta ctgtttctca 60
ggccacccaa ggcagagcca cacatttgcc agccctcctg nacagtgcc atcccagaga 120
ctgatcaggg aggaaaggac agcgccaaca gcagctgcca cagacgggct ttgtcagaaa 180
ctaattntta aagaccaaaa ggagtganen nttttagnnt gttttntttc ttganaaana 240
aaattccacc ccgggtccnt ttttttttta aaaggggggn aaaaaaaaaa nggggccntt 300
naaanncnct ctaaaaaaan ntggganctt ttnntngggg ctttttaaaa anccccanna 360
aaggggnnct ttttttttna aaaaaaannt nttttttttg ggnggaanaa aaaaaa 416
```

<210> 34  
<211> 333  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(333)  
<223> n = A,T,C or G

```
<400> 34
agggcgcaatt ggagctcccc gcggtggcgg cccgaggtac aagctttntt tttttttttt 60
tttttttttt ttctttttct acacatgctt ttttattagt atagatncct tnacagacaa 120
```

```
tactgtaatt tttagaggag ttccacatna ttacatcaac agtgngaatt tctaacagag 180
gcaaaactga gcaccatngt ttacaagtan gaaagacat gcttgnggac aacagaagtt 240
nactaaggat gcacgattga tctgagaagt ttttaagcnt ccgtcctcgc cctcctcctc 300
cttgaactcc cnttgttcgt cggcccgttt nan 333
```

```
<210> 35
<211> 493
<212> DNA
<213> Homo sapiens
```

```
<400> 35
gcgtccgctt caggtgccct tataaggctt ccatgatgca gtcacctaag actgggggtgt 60
cttagtagca aggatgacaa tgtgatgtgt atttttgtta acctctgtgt gtatggcttg 120
aattgatgct ttgtgtgtgg ccagagggga gaggtggtgg taccctggca cgatcgtgaa 180
atggatagga taatgttttt aaacttagtg ggagagagaa atgaaaacca accagaatat 240
aaggccatct aaagtgctaa atagactcaa gcagggttcta tggaggagga agaagtgatt 300
aattctgatg gggaggctgg ggaagcaggt gtctaaggaa aggttaccaa gaaggtggca 360
attgaacttg gccttgaagg atttaggggg tagaatgcta gggaaaatat tccaggggtga 420
gaaaatgagt gagaagaggt gcaaaagagg accactccag agaaacagtg ggtaataaga 480
tttgactgga ggg 493
```

```
<210> 36
<211> 435
<212> DNA
<213> Homo sapiens
```

```
<400> 36
cgcgctccgct aatttttagaa aaacgactct tcagaacaga tgacacatag aaatgtgagt 60
ttatgtaaac atgtaaatat gagtagcatt agtttgtttt ctgttttagga actgtatcag 120
ggtgacaaag atgaaagaat gctgccagaa aagtatattg ttaaattttc aggcctccat 180
tggtgaagtt tcaagtaacc ttactcttaa gttacttggtg tcagaggatg gatgatgggg 240
tcatttaaat tggttgacaa agccatgaaa ggacttttaa aattttgtca taaaaatagc 300
caatgatgtt ttttaatttta catctaaaac taatttgcatt taccctgtgg ttagtgactg 360
aatctcaact cagtcctcat ttttttagttc aacttttgac aaccttatat tcattgacac 420
catggacagc acagt 435
```

```
<210> 37
<211> 328
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(328)
<223> n = A,T,C or G
```

```
<400> 37
aaacngttct aggggggttga actacatagt aaaaaaata aaataaatag tacttagtgt 60
aaaataatth tataaatgat cttttgtact ttaggacatt aaattgtaca acttttgtat 120
atataaaagc ttaggaactt tctgttttagc aggaaggcaa cacattccta cacttttaac 180
gtatatgttt gttataatgt ccatgtaaac atgccctatg tttgtgcctt ttaattagtt 240
tgtctnaata acaaaaatgt agagaaaaat atgtagctat gactttgtta caactgttct 300
tatccacagn acaaaaatgg tttgnttt 328
```

```
<210> 38
<211> 321
<212> DNA
<213> Homo sapiens
```

```
<400> 38
ccacgcgtcc gatttttaggg aaactttagt tccacagtat ttccaaaagt aatttccagt 60
```

```
ttagctctta agactcttca gtgaactggc agccttttaa taagaatgta ctgtattaga 120
aagtacaggc tttaattttc taagtccttt aacatgagta aagggcacgt gtctttctga 180
catctatttg tgccgttttc cacttgatcat tttaaagaat tgggaccttc agatgtcaca 240
actaaatgca agtttctaag gcttttcctt ctaaattgct cattcttccc tcttttcctg 300
gtacactgca agcacttact c                                     321
```

&lt;210&gt; 39

&lt;211&gt; 212

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 39

```
acccacgcgt ccgcttacgt ttgttgTTTT tcagtaatgt gattttcttt taagttgggg 60
gttatgcagg gttgtcattt tggtataacc atctaatttc tgcctgtgct gctttaatgc 120
taaattgagat atcaacagct gacttcatat ctcacctgtg agctccctgc tgagtttttg 180
agggtctgct catgggaaga aataggaaa ag                                     212
```

&lt;210&gt; 40

&lt;211&gt; 455

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(455)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 40

```
tcgccccgcg tccggccatc ccgcagtatg caaggagaag ggggagggan ggatcaagct 60
ggtantacat gccaaagata cctntnattt aatgatagtt gctctggagc aactagcatt 120
taagttcatt cgctngctct tttgtgatta gctctcanca caccaacttt ctaggatttc 180
cgtaatgcta gttctgtctt tgctgatatg gagttcacct atggtgatgg cccatctgta 240
cttgtttata aataaggaac acatagattt tagaaaatca agtaaagcan aattaattng 300
cagaacagtn tcaacagnta tcattgatta gtctttggag aatcaagagt ttttattttc 360
tgagggtggg gtgaagtang atgttttatt gaaacagngt ccccttacc aacnatcatt 420
tattgctctg gaaggactta aggcttcatg gtaat                                     455
```

&lt;210&gt; 41

&lt;211&gt; 302

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 41

```
cggggtggcgg ccgggtcaac gcagagtccc gggaagcagt ggtaacaacg cagagtcccg 60
ggaagcagtg gtaacaacgc agagtcccgg gaagcagtgg taacaacgca gagtcccggg 120
aagcagtggg aacaacgcag aggctttcag cacagcccag ggtgcccggg actgaaaact 180
ccttcaccag cccctccac aggatataga agacttagat cactacgaga tgaaagcaga 240
gcccattagt gggaaaaaagt tggaggatga aggaattgaa aaaaaaaaaa aaaaaaaagg 300
tt                                     302
```

&lt;210&gt; 42

&lt;211&gt; 541

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 42

```
gcgctccgact tcttatgaga aatccacatt ttatccaaca aatgattatt ctataatttt 60
ttccaatata tctattctaa ttagttcttc tccacatcag cacatttcat gctgcctttg 120
tttatctaac tgattgtata acaatttttc aaatttgttt ttaaaattaa atattatttt 180
ttgccttaat agcttctaaa agatcctcca cacatctaga aaacttattt ctattttaaa 240
acaaagggtta cattaatttc ttttaacaagg acatcacatt gttggattgt gttgaacctg 300
```

```
tgatgaaata aaaggctcaa ggattttctc acataaactc tgtgaaaaca tttcctcaag 360
tgtctgtgca atgaatgttt agtgctataa atccatctag tgtgtacctt gatttttagca 420
tttatcatta tatcttcatt ctacttcata tattcaatat tcatgtcctt tcatatgtat 480
acatagaagg aagagatcct gaaggacagg acaaagattc attaaaaaat attcctagtg 540
c 541
```

<210> 43  
<211> 365  
<212> DNA  
<213> Homo sapiens

```
<400> 43
ccgcggtggc ggccgaggta ccctctcata tatgcaaaca aatgcagact agggcctcag 60
gcagagacta aaggacatct cttgggggtgt cctgaagtga tttggacccc tgagggcagg 120
cacctaagta ggaatcccag tgggaagcaa agccataagg aagcccagga ttccttgtga 180
tcaggaagtg ggccaggaag gtctgttcca gctcacatct catctgcatg cagcacggac 240
cggatgcgcc cactgggtct tggcttccct cccatcttct caagcagtgt ccttgttgag 300
ccatttgcac ccttggtctc aggtggctcc ctgagtctgg actctaccac ttgggtctcc 360
agatt 365
```

<210> 44  
<211> 390  
<212> DNA  
<213> Homo sapiens

```
<400> 44
ccacgcgtcc ggtgtatggc tgtgtctaca tgtgtggtag attcacgtgg cgagtggagt 60
gtgacatggt gttgagactt actctgatgc gcttatctgc caactgtgaa atgaaataga 120
agacagggag gcttcgtatg tgtactttgt gtacaacaat gcgcggttcc tacaggaggt 180
gtccatggat ctccctctct gtctgtctct ctctctgtct ctgtcactgt cttctcacgc 240
cactttctcc atctcttttc cctcccagcc agaccctgcc gtctctccct ctgggtcctc 300
ctgcccacat gtcaggaatc tctgcctgga cggggtcctc actccccacc gaggcagctc 360
caggggacct ggagggcttc aagcttgggg 390
```

<210> 45  
<211> 315  
<212> DNA  
<213> Homo sapiens

```
<400> 45
cgcgtccgca ctgcctctgt ctctgtctct catacacata tacacacaca cacacacaca 60
cacacacaca cactctctct ctctctctct ctctctccag tggctgttaa gttctgaagg 120
actggggact gttagacata attgaaagta aggtaacagg ctaaggagaa gctcagtttg 180
aacattgcaa tgtaaagtc tcaaagcctg tgactttcaa gtatttctgt tgcattaatt 240
gtattttcct gcttagctgt gttcagacat agtatttgca tttcttgagg ctttcattcc 300
aacagtctaa cattt 315
```

<210> 46  
<211> 417  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(417)  
<223> n = A,T,C or G

```
<400> 46
aaggggattc tgacggagtc gtggtcacac cagctggccc tgcgcagccc catgggaaat 60
aggcctggaa ttcctgtcgg gaggaggctg ggggaagggg agccagcagg gattccagag 120
ttcctgccat aggccggcct ttggccatca gggaaagccc agactctggc cacagaatgg 180
```

```
agaattcgtt cctgacctt accaggaag aaagtgacct cgnaagacag caatngnctt 240
cttggtgaag gggcacattc atttattaat ccaatgtcca ttaaggtcac tctgccaggc 300
aggatgtggg gcttatggct ggtgcgtgtg gctttgtggg gggaggggtt gtggctggtg 360
aggacacaaa gctgactgcc ctagaangag ctcagagcct cacttctgtt ttctctt 417
```

```
<210> 47
<211> 392
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(392)
<223> n = A,T,C or G
```

```
<400> 47
atgtggctct gaacatgacc agtgcctcca gctnccanat gctgacangg tgcanaatgan 60
catantcact ggnctgttct ctggtggcac ttcactgggc cgganagctg gtgctgagcc 120
agnggatggg catcctancc accatcgann ngctggnggn ngcgggcctg gntgacctac 180
tgagcacagc ncaacagnaa caacatgctc acctatagtg atcacaggcc tatttggnnt 240
tgcgatccta tatctgctgc tgggtgcncat gtgctacata tcannacngc tanntcagca 300
gnaaaccttc gagggacacn gnnggangca nnggacgcct tntgncaggt gggccaacaa 360
ccgctcattg ccgtggcact gctgggcaac at 392
```

```
<210> 48
<211> 621
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(621)
<223> n = A,T,C or G
```

```
<400> 48
gggggggctg ggnccggga acnccgttat caaaacaacc aatnggntng gatccaacct 60
ttgtggggac catgagncgt gtttggactc ntacctaaaa attaacattg ggtttggcat 120
tagtncttca aggaaaagag ggtggccaat cgtttttatt ttttaggggg ggttaataaa 180
aaccaacgag gaccgtgagn ggggttttaat aaggagaatt atattggacc acngnaatgg 240
tttctccacc ttgtctatcc aaccattgta gttgtanttn ttgttgaaaa aaccncctt 300
gtaatanacan ccttgtttta atangtggaa ggggccaaat tnggaagcnc cattgggant 360
nggaatcatt ngnaggcggg atttttcggc cnaacccaag gtttangacc acganggggg 420
gggttttaaac aaaattggaa acaagttnng gnaaacccct ttttagggcc ctttggngg 480
gaataattgg ggataaaaata attcngggct cggaaaggca aaaanttaaa ntttttggg 540
gggggggggg cccttagggg ggggtccttc aaaaaaatta atttggggat tgggcccmaa 600
gggggttcnt ttcccaaaag g 621
```

```
<210> 49
<211> 567
<212> DNA
<213> Homo sapiens
```

```
<400> 49
ggggaaactt ttaactccaa caggctcatt gtatttgtgt agatttggtt cattttgcaa 60
agagggttca taaaattatg ggaaaccttt tccctattgt actgggagca tctctgggaa 120
ggtgcagggt attcccctgc ccacaaccac caccaattgc agggacaaga aatactgctc 180
ttccgtccac ccactccctt cgacaaaaat ctcagtagag ttctcattgc tgctgtccta 240
aaatattctt ccccccttcc tacatcatat acactgccgc ctgcttaatc ttcccagaat 300
ctgtcatagt atctttctct ctaaggccac ccatgactct tctttacttc acagttaagg 360
cgagtaccgt cctttctcag taacttttgt tccactatt ctgcccgggt cactgcagag 420
cccacagtca cagactcgtt ctaacagtggt attcaccac acgttcccta ggctcatcat 480
```

tacagcctct gctgagttac aggcaacccg caccttcaca caccttttgc ctaactgacc 540  
tatttattat ttccatcata taactca 567

<210> 50  
<211> 473  
<212> DNA  
<213> Homo sapiens

<400> 50  
caggtttttac ccactggctc taggtttttgc ttacgttgca tgaagggtga ggggagggtt 60  
tcactctgcg aacttgaaat tggttgtgat cccatattct ttgattagaa cgtgaaaagt 120  
aatttgatga agcatgctg tgtatcatct tggcacatgc tacctttaat acttgaatgc 180  
ataatgtttt tattcctgga gccactaaat ggtgagaggt ggtcaaccaa ggcaaagggc 240  
ggtgtgggga aaatgaagaa aggctgagac agctaaaagt ttatccctat tctccacact 300  
gtgacaagat ttccaagaac acagtaatga tggagaattg ccactatgtg tgaacctagc 360  
catgggcata cgcttatgag cggggcgcagg gaagataggc tttcgctcta agattaaaca 420  
tgcgctaagc cacttattac cacaaggcgc acctacaccc cttatcccca tac 473

<210> 51  
<211> 328  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(328)  
<223> n = A,T,C or G

<400> 51  
caacgggact gtaaattgac atgcaactat ggaaacggcg gntgccagca cacgtgtgat 60  
gacacagagc aggggtccccg gtgcgngtgc catatcaagg ggngtgctcc ataccgacgg 120  
gaagacatgc atcggggaaa ggcnggctag agcagcacan cccactcaa gccgtttcta 180  
atgagacctg tgcgtgnaac aacgggggct gagacagtaa gtgccatgat gcagacgact 240  
ggtgttcaact gcacctgccc tgtgggcttc atgctgcaag ccagacagga agaacgtgca 300  
aagatataga tgagtgceng cttaaaca 328

<210> 52  
<211> 274  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(274)  
<223> n = A,T,C or G

<400> 52  
ccgcggnggc ggccnaggta caccaaatgg attacaagca gcatccagca gaagacagac 60  
cccccaaccc tgccccaccag ggctcacact ctacaaaacc ctgagggcct agaaatctgt 120  
aaatgcatcg ncaagcactg gggctgattt gcagtaattc tctaagcaag gcaaacaatga 180  
tctagctttg aaggcagcat gaaggcagcg ggttgngag aacaatctnt ccttaagaga 240  
agaagaaacc tggggcggan ggagttttcc ccgg 274

<210> 53  
<211> 487  
<212> DNA  
<213> Homo sapiens

<400> 53  
gtggcgggcg aggtacatgg taaatcagtc ttacaaaagg cttatttttc caggcaggag 60  
gagaggctgg tggctctgag cttttggcct ggaattccag tctgaatttt caaatattcc 120

```
ctgcctccaa ccccttttggg tcctagtctt caagccaata acagagcagg agtctgacct 180
tggttctgttg cctggcacgg ctgaatcaaa gccattctgg aagcagatgt taaggatgaac 240
ttgtcacttg gtatgtagggt ccgactccca tcccagagggt ggcagtgggc cttgggtcaa 300
gatcaagttt gaactaaaat attacttgga tttttcacaa agagtgtccg ttgaaagcaa 360
taaggaattc cagaacagaa ctgcacttct tgtccctctc tcacacttac aaagcttcag 420
aaaacattaa aaatgcatta cctcctagga attacaaaag atcacccaac tgtacctgcc 480
cgggcgg 487
```

<210> 54

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(456)

<223> n = A,T,C or G

<400> 54

```
nctgacagag ctgtgcagggt accagagggtg aagggtgggaa catagggtgta gggggctttc 60
tggtggcttc tctgttctcc cagctccctg gccttagatc actaaggagc gccgtctggg 120
cgggcttgag gcaaagggag tggagtcagg aggagattca gtaagggaaa agatgctaga 180
gcctccagag cctgtggttg gggctgagtg atgccccag ctgtgagtc cttctgggtcc 240
ttggcctccc ggcagtcctc ttaggggccc ttaagggaga gtcccaatct tcctcccat 300
ggagtgggta ctggctccac accctgaagg cctggggggg ccacatctgc tgggtttggg 360
gagacgctct ttctgtctat gaggggctgt agaagctacc ttctgggca gtgcagctgc 420
ttctaagcag tccttgtcct tgcgctccat gttttt 456
```

<210> 55

<211> 348

<212> DNA

<213> Homo sapiens

<400> 55

```
acgcggggca attagaaatt attgcagaaa gaagattcac tctcacctga tgaataagtg 60
ttcatagggtg aaggctacaa aataactaatt tgttattatt tttaataata atttttgttt 120
tgctgagaaa gtggatttac cactttttta ttttttaatc caaggaggaa aaattatttc 180
caaaccaaat cctaaaaatt tttcacgttc taaaccagtt caagaacatt gagtaaacag 240
aaatattcca tttgtcaaag tttttcttat cggctcagat aatgaaaaaa ttgggataat 300
tgaacaaga gaagctattg aaatggcaaa agaacaaaaa ctcgatgt 348
```

<210> 56

<211> 493

<212> DNA

<213> Homo sapiens

<400> 56

```
gcgtccgtat aaatgtaata tctctatgtt ataattctgt tgctaattgtc ttttttccaa 60
gaaaattttg gctaataattt ctttaggtat tcctttttct ctcatagtga gggattaaaa 120
aaaaaaaaaa ctgttgaaaa attagggcgt aaaaatgcta aatgacatga ctcatcatgg 180
gccacgtagt taacagaaga gccagatttg gctgcaagtc actagatttc cagcctgcag 240
tcctcctctg caacaacaga ccagctctgg gatttgttac agtgcctgtg agacattaca 300
ggactggagg acccatatta tatccattaa accagtctga atttggaaat gatggagggt 360
gtagtctaag ttgtaggagg ctttgcaaga acctgtgctg gggtccttga tcctgggtgga 420
atggggtgta gggaatgagc gcaaatgcaa ggggttaagg agggagctgg gtagttatca 480
cttttttagag tgc 493
```

<210> 57

<211> 497

<212> DNA

<213> Homo sapiens



<400> 57  
cgggcaggta cgcggggatgg cacgtgcagc gcaagtaggt ctacaagacg ctacttcccc 60  
tatcatagaa gagcttatca cctttcatga tcacgccctc ggaatcattt tccttatctg 120  
cttcctagtc ctgtatgccc ttttcctaac actcacaaca aaacttacta atactaacat 180  
ctcagacgct caggaaatag aaaccgtttg aactatcctg cccgccatca tcctagtcct 240  
cattggcctc ccatccctac gcatecttta cataacagac gaggtcaacg atccctccct 300  
taccatcaaa tcaattggcc accaatgata ctgaacctac gaggaccctc ggccgctcta 360  
gaactagtgg atccccggg cctgcaggaa ttcgatatca agcttatcga taccgtcgac 420  
cttgaggggg ggcccgtac ccagcttttg ttccctttag tgaggggtaa ttgcgcgctt 480  
ggcgtaataca tgggcat 497

<210> 58  
<211> 426  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(426)  
<223> n = A,T,C or G

<400> 58  
cggccgggta ctgngtcatg gtaggatgtc ctgagacaca atnccctgta tcagaagtag 60  
aggatttgca atcttcatct tctgagtcac tagaactatc ctactactt gaagatgatg 120  
aacttttgga atctgatgaa ctatcacaaac tactcatctg gtccattaga ctagcttctg 180  
ccctcaagtt ctctttcgat atcatctatn gggaggatgc tggggggacat cttatcttca 240  
agatggagaa tgttttataa gattgggagt cctggctgaa ttccacattt gttgttgctg 300  
gtgttcttta cgatactgaa ttttactgnt tccttcaact cttgtttttt ttacagtgga 360  
tggtgcttgc tgagtttttc taggcccgcac attctccaag tatcatggtt aataatcaaa 420  
aatggc 426

<210> 59  
<211> 135  
<212> DNA  
<213> Homo sapiens

<400> 59  
aggtaagct ttgttttttt tttttttttt tttttttgag gcttggaagt atttaatagc 60  
agacaaaata tagttcaata tgaaaagcat tatatgagac aaaggcaatt ttcaaaaatt 120  
gataaaacat tccac 135

<210> 60  
<211> 895  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(895)  
<223> n = A,T,C or G

<400> 60  
tgcgtagggg ttccgtaccg ggggtgattcc gaatnaanga cctctggaat aatnccgnag 60  
gggtgtcctng cgaggncncc gggggggggag nattcgcgac gtgagntttt ctgagnaagn 120  
cnggtcaccg aaggnggtgc tcagaaatgt ttacacntag atctcacgnt tctccaaata 180  
aggaagtgna gaccacggcn tacctttttg cggacgacct naagcggaga ganaaaacnc 240  
nttttggtta tgnangnagg ggangntcat atananaaag ttnttanacc acccnccaat 300  
naaggtnagg ggccccttaa aaataagtct atgnccccna accccacact nttaaang 360  
gaaanaagnc cgggttttcca aangcncctt caaaaaccaa ctcccnacct ttanccctt 420  
aaaananaaa aaaaatttcn tcnccaaaaa taaccaaat taattnaaan cgttgggaaa 480

```
aaccttnoct cctttccaaa ccaaaccncc nccaaaaaatt tttgggggga accccaaca 540
atttccttta attcccaacc ccngcntta atttaaggga aaaagggtaa aaacccttta 600
aaaaatttgg gntnttnaag gnttnanttt taaaaaggga ttnaaaaccc aaatttgggg 660
aaaaaaaaana acccaatttt tttcctttcn nccnttttct cgggggccna atttaaaaaa 720
gggccccccc tttggggccc nggtttccta aaggnnaaat ttttnaaaaa anaaaaancc 780
aaccctttgg naaaaaaccc tttggggaac ccanaaantt ttttaaaaaa ccaaagggcc 840
ccccccaan aanttaattt ncctttaacc caaaaaattt ccaaaaaacc ccna 895
```

&lt;210&gt; 61

&lt;211&gt; 437

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 61

```
cccttagcgt ggtcgcggcc gaggtacaat ttctaattga tctgtttcac attcagtga 60
atggcattgc atatttatat gttgcttaca gcttattgat ttaggtaact attgtgtctt 120
ccttcactat ctgacctgaa aagcactctc ttctctatgc actcttatat tctgcctttc 180
tgcctggagt ttgaaatata tgtctcttta gtttcttttg cacatgctac attgtgcttt 240
agaccggaga taatacagtg actttacctc acaaatcata ttctgtcaac acaaatctat 300
gaatttagtt tatttaaaat cagaacaatt tcctacaaaa tttttctgga aaatagactc 360
ctaacagacc taccagaatc atgcttaaag ggctcccttg acacttattc tatactgaag 420
gataaatttt aaaaaat 437
```

&lt;210&gt; 62

&lt;211&gt; 609

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(609)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 62

```
ncnttttttt tttttttgaa cccctcccg ttancannac ngncacttgc nacattnatn 60
taaggggggc acngtanana tatgggntta aacccttacc ccacnnccgt ngnggctngg 120
ngaccgtgaa cncggtcaen cegtgtgnac cagcaggnta anccgtgncc acaatggggg 180
atcctnatte ttgggcnctt gtanaatggc aaagattnaa gcgatcatng gnattggagg 240
gtgtnttcag ccantggaag aatttaacaa ccctnaagat ttaacttngg gngcgacaa 300
ttttaanaag gngcgnggcg ttngagttaa agtngcgtng gattngaacc tccttaattg 360
gantggnggg ggaanaaaaa gcctaatang gcttgggggn ggatccttta aagccgggcg 420
ggccccaant tctttttntt ttaaaaaaat tcccttttga aaagggaag gnaccggcca 480
aataataggg ggccnccctt ttaatttcaa naaattttcc aaagcccgtt ttggggccgn 540
gnaccacctc ccggggccct tttccgaant ttaaagaaag ntggggggan gncnnaaatt 600
ggggggcnc 609
```

&lt;210&gt; 63

&lt;211&gt; 432

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(432)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 63

```
ccacggtcc ggcagccaag ccttttgcen cctgagccac ggagacagcc ctgtgtccac 60
ctccacccct ctcccggaag agaccctggc ttccttcagc acccagtga gctggatcg 120
gagccgtacc ccccggggac tagatgatga actggacacc ggggatgcca agttcttcca 180
ggtcattgag cagctcaact cgcagaaaca gtggaagcag tcgaaggact tcaaccact 240
```

```
gacactgtac ttcagagaga aggagatgga gaaagagtac cgactctctg caatccccgc 300
cttcaaatac tatgaagcct gcaccttcct ggtttttctc tccaacttna tcatccagat 360
gctagtgaca aacaggcccc cagctctggc catcacgtat agcatcacct tctctctctt 420
ctcctcatcc tt 432
```

<210> 64  
<211> 419  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(419)  
<223> n = A,T,C or G

```
<400> 64
tcgacccccg gtccgccccg cgtccgtggg aaggcagata aaatgccagg tctggactgc 60
ctctggggat aacctcaccg tgtgggatgt gaatgaatag cntcttgccg ggtaaatcca 120
caggaattga taaggcaggc gcagttctcc caaacaggcc ttttctcttt aagctgtagc 180
tgtggtttct gcagcaattt tgtttttgcc ttgaaagagg tgctctggat tatcacacct 240
ccatgtatga caatttgtac ctgcatggaa ttgaagactc ggaggctgta agtattttca 300
tagatagcta attcctcttc cctcctctct cctcctccca ctatcccttc ccccccccg 360
cttcttattt cttaggcaac gcagggaaca tggagcagaa agctaacatc attctgggg 419
```

<210> 65  
<211> 395  
<212> DNA  
<213> Homo sapiens

```
<400> 65
acgcgtccga taaagtaaat gaagaaaaag gcaaatatat ttgaatgtta ttgttacata 60
ttcatcaaga cacaattctt gctaaaaagg acagcgacgc gctgcttaaa tctacattca 120
agaacaaagc ccacatagac acactttcct cagtgaaaaa aagaaaataa ggggagaatg 180
aatcccagtc ctaaaaataa ccattcagag attttgtgtt taaataacta ttaagagatt 240
ttgtgtgagt tctgtgtatt tctacagtgt aatccaggat tcacttttta aaacaaaaat 300
gtaaataggc attaaatata tttttaaaaa gaaaattatc tagttttcct tcctactttt 360
ttcaagcaat taataagaaa gacaaaaatt ttggt 395
```

<210> 66  
<211> 147  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(147)  
<223> n = A,T,C or G

```
<400> 66
aggtaccnna ngggaaagat gaaaaattat aaccaagcat aatatagcan ggactaaccc 60
ctataccttc tgcataatga atnaactaga aataactttt gcaaggagag ccaacgctaa 120
gacccccgaa accagacgag ctaccta 147
```

<210> 67  
<211> 392  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(392)

<223> n = A,T,C or G

<400> 67

```
atgtggctct gaacatgacc agtgcctcca gctnccanat gctgacangg tgcanatgan 60
catantcact ggnctgttct ctggtggcac ttcactgggc cgganagctg gtgctgagcc 120
agnngatggg catcctancc accatcgann ngctggnggn ngcgggcctg gntgacctac 180
tgagcacagc ncaacagnaa caacatgctc acctatagtg atcacaggcc tatttggnnt 240
tgcgatccta tatctgctgc tgggtgcncat gtgctacata tcannacngc tanntcagca 300
gnaaaccttc gagggacacn gnnggangca nnggacgcct tntgncagggt gggccaacaa 360
ccgctcattg ccgtggcact gctgggcaac at 392
```

<210> 68

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(416)

<223> n = A,T,C or G

<400> 68

```
cgccncgcgt ccgggataga gcaggcacct gggttctggg aggcctggta ctgtttctca 60
ggccacccaa ggcagagcca cacatctgcc agccctcctg nacagtgcc atcccagaga 120
ctgatcaggg aggaaaggac agcgccaaca gcagctgcc cagacgggct ttgtcagaaa 180
ctaattntta aagacaaaaa ggagtganen nttttagnnt gttttntttc ttganaaana 240
aaattccacc ccggtcccnt ttttttttta aaaggggggn aaaaaaaaaa nggggccntt 300
naaanncnct ctaaaaaaan ntggganctt ttnntngggg ccttttaaaa anccccanna 360
aaggggnnct ttttttttna aaaaaaannt nttttttttg gngngaanaa aaaaaa 416
```

<210> 69

<211> 567

<212> DNA

<213> Homo sapiens

<400> 69

```
ggggaaactt ttaactccaa caggctcatt gtattttgtgt agatttggtt cattttgcaa 60
agaggggttca taaaattatg ggaaaccttt tccctattgt actgggagca tctctgggaa 120
ggtgcagggt attcccctgc ccacaaccac caccaattgc agggacaaga aatactgctc 180
ttcgtccac ccactccctt cgacaaaaat ctacgtacag ttctcattgc tgctgtccta 240
aaatattctt ccccccttcc tacatcatac acactgccgc ctgcttaatc ttcccagaat 300
ctgtcatagt atctttctct ctaaggccac ccatgactct tctttacttc acagttaagg 360
cgagtaccgt cctttctcag taactttggt tcccactatt ctgccccggt cactgcagag 420
cccacagtca cagactcgtt ctaacagtgg attcaccac acgttcctta ggctcatcat 480
tacagcctct gctgagttac aggcaaccgc caccttcaca caccttttgc ctaactgacc 540
tatttattat ttccatcata taactca 567
```

<210> 70

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(346)

<223> n = A,T,C or G

<400> 70

```
cggtggcggc cgtaaacaat gtgtcactgg gcaggcgggt cctctaatac tgggtgatgct 60
agaggtgatg tttttggtta acaggcgggg taagatttgc cgagttcctt ttactttttt 120
taacctttcc ttatgagcat gcctgtgttg ggttgacagt gagggtaata atgacttggt 180
```

```

ggttgattgt agatattggg ctgttaattg tcagttcagt gttttaatct gacgcaggct 240
tatgcggagg agaattgttt catgttactt atactaacat tagttcttct atagggngat 300
agattggncc aattgggtga naggagtnca gttatatgtt tgggat 346

```

```

<210> 71
<211> 437
<212> DNA
<213> Homo sapiens

```

```

<400> 71
cccttagcgt ggtcgcggcc gaggtacaat ttctaattga tctgtttcac attcagtga 60
atggcattgc atatttatat gttgcttaca gcttattgat ttaggtaact attgtgtctt 120
ccttcactat ctgacctgaa aagcactctc ttctctatgc actcttatat tctgcctttc 180
tgcctggagt ttgaaataca tgtctcttta gtttcttttg cacatgctac attgtgcttt 240
agaccggaga taatacagtg actttacctc acaaatacata ttctgtcaac acaaatactat 300
gaatttagtt tatttaaaat cagaacaatt tctacaaaaa ttttctgga aaatagactc 360
ctaacagacc taccagaatc atgcttaaag ggctcccttg acacttattc tatactgaag 420
gataaatttt aaaaaat 437

```

```

<210> 72
<211> 391
<212> DNA
<213> Homo sapiens

```

```

<400> 72
tcactatagt tcgaattagg agccccaccg cgggtggcggc cgatgtactt tttttttttt 60
ttttttgctt ttttaattga tgccctggaga caattccatt tcaattacct tattggcatg 120
acgagatata caagggtgc caatgtcaat acattaagac tgagcgtgct ggagcagcag 180
ccagggttca gggcactgct gtgtcatctg cgccacgggtg cacaaggca gcttcaaaag 240
catttcagca tgatcgcttc cctctctccg ctctctggga gagaaggatc ctgcacacca 300
caggcaaata atgctgaaat tgaggtggtg cctttgggac tcccatccca tcacagtctt 360
gggattcttt agctgagatc tactagagcc t 391

```

```

<210> 73
<211> 541
<212> DNA
<213> Homo sapiens

```

```

<400> 73
gcgtccgact tcttatgaga aatccacatt ttatccaaca aatgattatt ctataatttt 60
ttccaatata tctattctaa ttagttcttc tccacatcag cacatttcat gctgcctttg 120
tttatctaac tgattgtata acaatttttc aaatttggtt ttaaaattaa atattatttt 180
ttgccttaat agcttctaaa agatcctcca cacatctaga aaacttattt ctattttaaa 240
acaaagggtta cattaatttc ttaacaagg acatcacatt gttggattgt gttgaacctg 300
tgatgaaata aaaggctcaa ggattttctc acataaaactc tgtgaaaaca tttcctcaag 360
tgtctgtgca atgaatgttt agtgcataaa atccatctag tgtgtacctt gatttttagca 420
tttatcatta tatcttcatt ctacttcata tattcaatat tcatgtcctt tcatatgtat 480
acatagaagg aagagatcct gaaggacagg acaaagattc attaaaaaat attcctagt 540
c 541

```

```

<210> 74
<211> 315
<212> DNA
<213> Homo sapiens

```

```

<400> 74
cgcgtccgca ctgcctctgt ctctgtctct catacacata tacacacaca cacacacaca 60
cacacacaca cactctctct ctctctctct ctctctccag tggctgttaa gttctgaagg 120
actggggact gttagacata attgaaagta aggtaacagg ctaaggagaa gctcagtttg 180
aacattgcaa tgtaaagtcc tcaaagcctg tgactttcaa gtatttctgt tgcattaatt 240
gtattttcct gcttagctgt gttcagacat agtatttgca tttcttgagg ctttcattcc 300

```

aacagtctaa cattt

315

<210> 75  
<211> 471  
<212> DNA  
<213> Homo sapiens

<400> 75  
gatgcataat atctgatggt atggatgcag gcctttggca actttgtact actagggaca 60  
taatggactc tgtagtcaga gttatggcca tggccataga ctatagacgg caggcctggc 120  
ttcgacttac atctctcact aagaaaaccc aggagaagat ctcccacttg ccctttgatg 180  
gtacttccct ttttgacaa gatgtgaaag ctgttgttgc agaagacaac aatataaaag 240  
aaaatgacta taaagatcac aaatactata atcagcatcg atacttttat agtcatgac 300  
agaaagcaca ttatcacaat agaggatact ccaaagggga ttggtacaaa cctcgaaacc 360  
acccctatag atatagaaag aaggagact cttcagaacg catgggtaca agaattaata 420  
acctggttaa tgttcagcag agtagtcatt caagatccta actattttac t 471

<210> 76  
<211> 659  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(659)  
<223> n = A,T,C or G

<400> 76  
ccacgcgtcc ggcacatttc acctgattng ngtcgacgct ttccctccccg ntcagaagtg 60  
acgagactgt atggatcggt ttgtgattta aggacgaaca aactnccccg ntcccctggg 120  
ctaagcaa atctatgtttga tcttacaac tcatctcagc gattcatcca gagacatgat 180  
tcattgtcca gtgtaccag tagttcttct tcaaggaaaa attctcaggg gagtaacaga 240  
agcctggata caattactct atcaggagat gaaagggact ntgggagact gaatgtgaaa 300  
ttgttttata attcttcagt agaacagatc tggatcacag ntttaccagg gcaagagatt 360  
taagttnngc cctctagtta tgggaggaca ctactactgt ttctataaaa ggaatactta 420  
cattgcccaa accagtgcatt ttcaaactct cagccaagga aggttccaac gctattgaat 480  
ttatgggaaa ccgtttgtat tngctattaa acttcaaaat ctacaaactg taagacttgt 540  
atttaagatt caaaccacaga ctcccaggaa gaaaaccatt ggagaatgct caatggcact 600  
cagaaccctt gcacacagga aaaggaatac tctttggata taacaccacc ttcaaaaaa 659

<210> 77  
<211> 360  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(360)  
<223> n = A,T,C or G

<400> 77  
cgccncggtt ttttnaaaag aaaatagatg aaaaaaactc caagatgacc actttcgatg 60  
ttgtatgtca atcctgaatt ctcgtagctg gtgagagagg cacaagagat gctaaaggag 120  
aatgcaggat ccagcagcgt tgatggcgac agcagctcag ccgcacgttg tcgagcactg 180  
gatagttgat taaaagcgtt tccatcactc attcagcaag cactggccaa gccacctgtc 240  
atgtgctagg catatctgtg acctcattta cctgctcact gtggctgtta caataaagg 300  
gtggaaagcg agaggcagag ctggttggtct tctcgagtcc aggacttgag ccctgatctt 360

<210> 78  
<211> 431

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(431)

<223> n = A,T,C or G

<400> 78

```
tccgctaggt cccagatgg ggaagactga ggccgtggct gtgtgtccct ctgagagttg 60
gagcggggct gggccgaat tcgaccgcag caggattctc tntcatttct gagccccga 120
ggtggcagag cggcagaccc gggcaagtga accctagggc tgcaggagcc caggccccga 180
cgccggcgca gaggggacgg aaggggccgc cccagccca gcgtgcacag aggccatagc 240
caaggcctta aggtcatcc aaccggggac tcatatcccc cccaccggca gcccggcgcc 300
ccagcctcta cccgtgcccg ccgagatgct gctgcgcggg tcggtgtcat cggagcgggc 360
ccctgggggtg ccggagccgg aggagctgtg ggaggcagag atggaagccg gctgcgccgg 420
ctctgggacc g                                     431
```

<210> 79

<211> 365

<212> DNA

<213> Homo sapiens

<400> 79

```
ccgcggtggc ggccgaggta cctctctcata tatgcaaaca aatgcagact agggcctcag 60
gcagagacta aaggacatct cttgggggtgt cctgaagtga tttggacccc tgagggcagg 120
cacctaagta ggaatcccag tgggaagcaa agccataagg aagcccagga ttccttgtga 180
tcaggaagtg ggccaggaag gtctgttcca gctcacatct catctgcatg cagcacggac 240
cggatgcgcc cactgggtct tggcttccct cccatcttct caagcagtgt ccttgttgag 300
ccatttgcat ccttggtctc aggtggctcc ctcagtctgg actctaccac ttgggtctcc 360
agatt                                     365
```

<210> 80

<211> 180

<212> DNA

<213> Homo sapiens

<400> 80

```
cgcgctccggg gaatagtgga atgaagggttc atttttcatt ctacaaaact aatgaaaccc 60
tgcttatctt aaaccaacct gctcactgga gcagggagga caggaccagc ataaaaggca 120
gggcagagtc gactgttgct tacactttct tctgacataa cagtgttcac tagcaacctc 180
```

<210> 81

<211> 367

<212> DNA

<213> Homo sapiens

<400> 81

```
attggagctc cccgcggtgg cggccgcccc ggccaggtac cggggaggag gcggaagcgc 60
agcggggggcg ggaaggttgt agtgccgcga gttgagctcc tcttgccctaa gtggtcgcgc 120
cccctttaag agcagcgatt gtaaggagag gcgggtcccg tgtcctcggg tcccagggtga 180
ttgtgaagtg ctgaccaatt gccactggac atacttgaaa caaaatagga aaatggcagc 240
aaaccctgtc tctaaatcaa tcaatcaagc gagccagaat gcagtagtgg cctgagagag 300
gcatcctgga acgcagtgcg gtctggctag gcttagaagt attcatgtga tttttacctg 360
acaaggg                                     367
```

<210> 82

<211> 419

<212> DNA

<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(419)  
<223> n = A,T,C or G

<400> 82  
tcaggctcga ggacatacgc tcccacgtgc cctaacgccca tcgagngncc tancgctacc 60  
tctagcgcag aatgatgccc acgcctcgta ctaccacccc tagagcccg tagatcggtg 120  
gaacgtggat ttacatnggt aagggaattt ancaancgnc cggaannttt nggnccgacc 180  
cttagttgcg tcggatgcgt tacntaanan canttngaac ccttttaanc anggtnccta 240  
accaattggn ntngngggnc gccnantnng ntaancgcaa tttggaaaat gnaaccatag 300  
nncaacgttn ggaaccacga nangggaanc accttgccgc cnccttgngn aaatctccca 360  
cgatngaaaa ccgcnttggc ntnggttcgc gctctaannn aaaggttaga cgcgcactt 419

<210> 83  
<211> 464  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(464)  
<223> n = A,T,C or G

<400> 83  
acccgcgctc cgtaggatgg atctgatctg aaaagcaaac attcaatnta aatttcaata 60  
gntctctgct tgtgcttgat ctagtaatgt cttttcaaaa gggattatag aagggtgaatg 120  
ttaaacaaca tcatTTtgat tttccatagt gagttaaaga atacattttg ttgttcctct 180  
tctgctttct aagtaatatg ttgggcttct ttcttgTTTT gtcgatgtga ggcatagtcc 240  
gaggaaacct ttgntnncta taaatcctga tattcttttg attggaagag gcagnttcct 300  
gaataagaaa gagtctgact acactgggta aattgtcaga ttattttgtc ctacacagaan 360  
nnaaagngta aaattgggtg agggcattgc tttgaaagan tatttntatt tattctttta 420  
aagaaagnag attaataaaa agattgatca gttcanatac ctgg 464

<210> 84  
<211> 379  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(379)  
<223> n = A,T,C or G

<400> 84  
acgactcact attntngggg naattggagc tccaccgcgg tggcgccggt taaacatgtg 60  
tcactgggca ggcggtgcct ctaatactgg tgatgctaga ggtgatgttt ttggtaaaca 120  
ggcggggtaa gatttgccga gttcctttta ctttttttaa cctttcctta tgagcatgcc 180  
tgtgttggtg tgacagttag ggtaataatg acttggttgt tgattgtaga tattgggctg 240  
ttaattgtca gttcagtgtt ttgatctgac gcaggcttat gcggaggaga atgttttcat 300  
gttacttata ctaacattag ttcttctata gggatgata ttggtccaat tgggtgtgag 360  
gagttcagtt atatgtttg 379

<210> 85  
<211> 536  
<212> DNA  
<213> Homo sapiens

<400> 85  
ccacgcgtcc gccacgcgt ccggtcccag acgggctttt cccagaagct aaaagagaag 60



```

ggccagagaa tgtcgtccca gccagcaggg aaccagacct cccccggggc cacagaggac 120
tactcctatg gcagcgtggg acactcgatg tagccccagg ggtggcgagg agctccagcc 180
agaggggggaa gtctctctgc cacaccagca taccaccggg cctgtaccac gcctgcctgg 240
cctcgctgtc aatccttgtg ctgctgctcc tggccatgct ggtgaggcgc cgccagctct 300
ggcctgactg tgtgctgtggc aggcccggcc tggccagccc tgtggatttc ttggctgggg 360
acaggccccg ggcagtgcct gctgctgttt tcatggctct cctgagctcc ctgtgtttgc 420
tgctccccga cgaggacgca ttgcccttcc tgactctcgc ctgagcaccc agccaagatg 480
ggaaaaactga agctccaaga ggggcctgga agatactggg actgttctat tatgct 536

```

<210> 86

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(400)

<223> n = A,T,C or G

<400> 86

```

cctcactttg tccctctctt ggtttctgnc gatacccctg actacgatga atcaagttta 60
ccaaggttga ctgggtcctg tcanaccag gggatgcccc tgagcttncc tccttaccac 120
tggaaggtc anggatgcat ggatctccac gctacacnga tctncaggct atgcctcctc 180
catnggantg tncctgggtn cntgtcctgg ggagngnang gagggaaatca gnttctnact 240
ctggcctgct cggggtgcct gaccagatn ctgnccctgc ctgccccaaa ggctaggtct 300
tctgcgacct ttcttgggtg caaggggagt ggggccgggtg ggaangatgg accacatttt 360
tcctctccat gctgaggggc agggctctggg tagactgaaa 400

```

<210> 87

<211> 429

<212> DNA

<213> Homo sapiens

<400> 87

```

acgcggggct tgcattctctg gggccaagga gtgggtgggtg agatcttcca tggccctggc 60
atgggtgata taagcgggac cggttaagggtg gtggagctct taccagaccc tgcagaaccc 120
tctccgtggt gttgaacttc ctggaaccag ggtgttgcat gttttcctca taatgcaggt 180
tggtgatggt gaagttgagg gtgaacggca ccaggagagg gccagcagtt gtggggctgg 240
ggagggagga tggagtccct gacccaaggt ccactgtgga ggtcccagga gctgaaaaaa 300
gtcctcatca gtgaaagcag aaagcactct catggcagaa acggcaagaa gatagactat 360
tatgaggtct gctgcatgtg ggcttgagct ggggtctgtct ttggagctgg ggcagagggg 420
agcttgagt

```

<210> 88

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(321)

<223> n = A,T,C or G

<400> 88

```

cgccnccggt ccgcactgcc tctgtctctg tctctcatac acatatacac acacacacac 60
acacacacac acacacactc tctctctctc tctctctctc tccagnggct gttaagttct 120
gaaggactgg ggactgttag acataattga aagtaaggta acaggctaag gagaagctca 180
gtttgaacat tgcaatgtaa agtcctcaaa gcctgtgact ttcaagtatt tctgttgcat 240
taattgtatt ttctgtctta gctgtgttca gacatagtat ttgcatttct tggagctttc 300
attccaacag tctaacattt t

```

<210> 89  
<211> 333  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(333)  
<223> n = A,T,C or G

<400> 89  
agggcgaatt ggagctcccc gcggtggcgg cccgaggtac aagctttntt tttttttttt 60  
tttttttttt ttctttttct acacatgctt ttttattagt atagatncct tnacagacaa 120  
tactgtaatt tttagaggag ttccacatna ttacatcaac agtgngaatt tctaacagag 180  
gcaaaactga gcacatngt ttacaagtan gaaagacat gcttgnggac aacagaagt 240  
nactaaggat gcacgattga tctgagaagt ttttaagct ccgctcctcg cctcctcctc 300  
cttgaactcc cnttggtcgt cggcccgtt nan 333

<210> 90  
<211> 473  
<212> DNA  
<213> Homo sapiens

<400> 90  
caggttttac ccactggctc taggttttgc ttacgttgca tgaaggttga ggggaggctt 60  
tcactctgcg aacttgaaat tggttgtgat cccatattct ttgattagaa cgtgaaaagt 120  
aatttgatga agcatgcgtg tgtatcatct tggcacatgc tacctttaat acttgaatgc 180  
ataatgtttt tattcctgga gccactaaat ggtgagaggt ggtcaaccaa ggcaaagggc 240  
ggtgtgggga aaatgaagaa aggctgagac agctaaaagt ttatccctat tctcccacct 300  
gtgacaagat ttccaagaac acagtaatga tggagaattg ccactatgtg tgaacctagc 360  
catgggcata cgcttatgag cgggcgcagg gaagataggc ttctgctcta agattaaaca 420  
tgcgctaagc cacttattac cacaaggcgc acctacaccc cttatcccca tac 473

<210> 91  
<211> 515  
<212> DNA  
<213> Homo sapiens

<400> 91  
atggctcgaa ttaaaaatat ataagtaaaa agtcttaact tttctcccta tcacctagcc 60  
agccagttcc cctctctgga ctcaaatgtg tgttactagt tctagtgtat ccttccaaga 120  
tactttatct ggtacaagca gaatacattt tcttttccct gccttctttt acacaaatga 180  
tttacacatt attttctact tttttcattt aatatcctaa tgagatcatt acataacagt 240  
atataaagaa tctcttcata tttttttttt tttggatgtg aaaaatacca tgtgtggatt 300  
agtcagagtt tactgggtaca gatagtaaaa tgtccagaag acatttcatc cacatggcag 360  
atatttgtat tatatgataa ttttctgtag ctgcaatcgg tggaccacaa aatgtcttta 420  
taatttcatt agctgttgcc aaattgccct ccatagagat catatacatt tacattccca 480  
ctggcagtgat atgaatacta gggtctccat accta 515

<210> 92  
<211> 225  
<212> DNA  
<213> Homo sapiens

<400> 92  
ttggagctca ccgcggtggc ggccgaggtc gcccggccag ctttcaagat gggtttgtca 60  
attcggccac ctccagccac cacaccaacc acagctctgt tggctgagga gataaccttc 120  
ttggagcccg agggcagctt cacacagggt cttcttggtc tcagggttgt gggagataac 180  
aggtggcata gttccctgat gcccgggccc ccgcgtacct gcccg 225

<210> 93

<211> 274  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(274)  
<223> n = A,T,C or G

<400> 93  
ccgcggnnggc ggccnaggta caccaaattgg attacaagca gcatccagca gaagacagac 60  
cccccaaccc tgcccaccag ggctcacact ctacaaaacc ctgagggcct agaaatctgt 120  
aatgcatcg ncaagcactg gggctgattt gcagtaattc tctaagcaag gcaaacaatga 180  
tctagctttg aaggcagcat gaaggcagcg ggttgngag aacaatctnt ccttaagaga 240  
agaagaaacc tggggcggan ggagttttcc ccgg 274

<210> 94  
<211> 656  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(656)  
<223> n = A,T,C or G

<400> 94  
tagtttttcc ttaaggaagg ccgcggcccc ngaagnggtt acccgtcta tnggggggga 60  
aaaaaggaat agnacanaaa natttcatta aaaccccaaa agcccattan aattatttnt 120  
ggcnanaggg agggaaacctt antnccccac ttttttttaa ntctncnntn nctctttatc 180  
nnttngnggg nttntttana cntaaagca aaaaattaaa accttttttn gccaaaaggg 240  
ggagggaaagg ccccaaaaaa gnccttaaan ntanccccc cccgggaaaa aanccccaag 300  
ggaacccgna aggncccttat ccccttaana gggaaaaccn agggccttta tanantaggn 360  
aaggggccaac ccaaccccc ccggttcctt taattgggtt aaggnccaa anaataattt 420  
aangcttttgg ggggggaaaa agngaattnt ttttaattta aggggggttt anagnnaagg 480  
gggcccggaa acccaanaaa aaccnccntt aaccccccg naaagggccc ccnttggggg 540  
gttgggaaat ttnaagggcc cttgggggtt tnttggttcc ncccaaanng gnaattnang 600  
ggaaaaattc ctttttaaaag tttttnccaa aaaccctntt ttnaaaaaaa tttttt 656

<210> 95  
<211> 438  
<212> DNA  
<213> Homo sapiens

<400> 95  
cgaccacgc gtccggaaaa gaaaagaaag aaaaattctc acagtgcagt agccccctga 60  
ggtgggtagt agtatctctt gggcataagt aagtaacatg aatatgcctg agagatgggtg 120  
actttcccaa ggcctcacag tgaataagcc gtgaagcagg tttggctccc aaacctctgg 180  
tttttccctc tctactctgc tgaattcctt tgagcaacag atagtaaatt agagaatgaa 240  
gagttggctg taaagtttgc tcctttgcag ctcacctcaa atgctctccc cagtgttctt 300  
tcagtgtagt cttaatcaga ctattcaact cctcatcacc ccagacactg gtagtatctg 360  
gcaccaggta ggtactcagt aactcttttt attttttatt tattttttta aatttatttt 420  
attttgggac ggagtctt 438

<210> 96  
<211> 454  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature

&lt;222&gt; (1)...(454)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 96

```
gctggnngcgg agctcagcgc tgaccctggg tctggaagcg acaggccttg aaactccaca 60
gcagcacagg ccccgctctcc tggctcggac agaaccctgc taccttccct cttcaatctt 120
caggccccctt tttgtccgtg tttccagggc tcacctgggtg gggaaagtgt gtttctccct 180
ggttccctgc cactcattca cctcagacac aggggtgggct ctgggttctt cctcatgtgg 240
aaagtcgggg cttcagacca tgtctgtcgg cattcanaag ggatggaagt caaaagtgag 300
gctggaagtt tgcaggatct tcagacttcc ctgaggccac tgagctgggc tgtgcctgng 360
tggacctcag ggtggtcgct gagctgggct gtccctccct ggaccttgan gtgggtccctg 420
agctggctct gcctctatgg accttgcggt ggtg 454
```

&lt;210&gt; 97

&lt;211&gt; 487

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 97

```
gtggcgggccg aggtacatgg taaatcagtc tttacaaagg cttatttttc caggcaggag 60
gagaggctgg tggctcttag cttttggcct ggaattccag tctgaatttt caaatattcc 120
ctgcctccaa cccctttggg tcctagtctt caagccaata acagagcagg agtctgacct 180
tgttctgttg cctggcacgg ctgaatcaaa gccattcttg aagcagatgt taagggtgaac 240
ttgtcacttg gtatgtaggt ccgactccca tcccagagggt ggcagtgggc cttgggtcaa 300
gatcaagttt gaactaaaat attacttggg tttttcacia agagtgtccg ttgaaagcaa 360
taaggaattc cagaacagaa ctgcacttct tgtccctctc tcacacttac aaagcttcag 420
aaaacattaa aaatgcatta cctcctagga attacaaaag atcacccaac tgtacctgcc 480
cgggcgg 487
```

&lt;210&gt; 98

&lt;211&gt; 895

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(895)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 98

```
tgcgtagggg ttccgtaccg ggggtgattcc gaatnaanga cctctggaat aatnccgnag 60
ggtgtcctng cgaggncncc gggggggggag nattcgcgac gtgagntttt ctcagnaagn 120
cnggtcaccg aaggnggtgc tcagaaatgt ttacacntag atctcacgnt tctccaaata 180
aggaagtgna gaccacggcn tacctttttg cggacgacct naagcggaga ganaaaacnc 240
nttttggtta tgnangnagg ggangntcat atananaaag ttnttanacc acccnccaat 300
naaggtnagg ggccccctta aaataagttc atgnccccna accccacact ntttaaangg 360
gaaanaagnc cggttttcca aangcnctt caaaaaccaa ctcccnacct ttanccccctt 420
aaaananaaa aaaaatttct tcnccaaaaa taacccaatt taattnaaan cgttgggaaa 480
aaccttnctt cttttccaaa ccaaaccncc nccaaaaaatt tttgggggga acccccaaca 540
atttccttta attcccaacc ccngcntta atttaaggga aaaagggtta aaacccttta 600
aaaaattttg gntnttnaag gnttnanttt taaaaagggg ttnaaaaccc aaatttgggg 660
aaaaaaaaa acccaatttt ttccctttcn ncnnttttct ccggggccna atttaaaaaa 720
gggccccccc tttggggccc nggtttccta aaggnnaaat ttttnaaaaa anaaaaancc 780
aacccttttg naaaaaaccc tttggggaac ccanaaantt ttttaaaaaa ccaaagggcc 840
ccccccaan aanttaattt ncctttaacc caaaaaattt ccaaaaaacc ccna 895
```

&lt;210&gt; 99

&lt;211&gt; 348

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 99

```
acgcgggggca attagaaatt attgcagaaa gaagattcac tctcacctga tgaataagtg 60
ttcataggtg aaggctacaa aataactaatt tgttattatt ttttaataata atttttgttt 120
tgctgagaaa gtggatttac cacttttttta ttttttaatc caaggaggaa aaattatttc 180
caaaccaaat cctaaaaatt tttcacgttc taaaccagtt caagaacatt gagtaaacag 240
aaatattcca tttgtcaaag tttttcttat cggctcagat aatgaaaaaa ttgggataat 300
tgaacaaga gaagctattg aaatggcaaa agaacaaaaa ctcgatgt 348
```

&lt;210&gt; 100

&lt;211&gt; 323

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(323)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 100

```
ggagctcncc gcggtggcgg ccgaggtact tttttttttt ttttttttcg tcaactacctc 60
cccgggtcgg gagggtgtaa tttgcgcgcc tgctgccttc cttggatgtg gtagccgttt 120
ctcaggctcc ctctccggaa tcgaacctg atttccccgt caccctgggt caccatggta 180
ggcacggcga ctaccatcga aagttgatag ggcagacgtt cgaatgggtc gtcgccgcca 240
cggggggcgt gcgatcggcc cgaggttatc tagagtcacc aaagcccccg cgtacctgcc 300
cgggcggccg ctctagaact aga 323
```

&lt;210&gt; 101

&lt;211&gt; 392

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 101

```
cgcggtggcg gccggagtga tgccatctgc agttttgtga tctgcaatga ttcttccctt 60
cgaggtcagc ccattatctt taatcctgac ttttttgtgg agaaactccg acatgagaaa 120
cctgagattt tcactgagtt ggtggtcagc aatatcacia ggctcatcga ttacctgga 180
actgagttgg ctacagtgat gggggaagtg gaccttaagt tgccctggcg ggctggccca 240
gcatcaggat tcttccggtc tctcatgtct ctcaagcgaa aggaaaaagg agtgatactt 300
gggtcccccac tgacggagga aggcattgcc cagatatacc aactgattga gtatctacac 360
aaaaacttgc gagtagaggg tttgtttaga gt 392
```

&lt;210&gt; 102

&lt;211&gt; 525

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 102

```
ccgcggtggc ggccgcccgg gcaggtacca ttaaagcctc atgtttttata ctactaggtc 60
aaattatttt ttctcctttt taaaatttat cggttccgac ttaaaacccat caagtctgg 120
cagaatcaac tcagtctagc tgatgcaaaa tcatatgcat tcaaaaagca gtctttaccg 180
agatgccttt acaaaccctg gaatccagca ccttcttaag gcaaagtttc atggcagcag 240
ggaagtgaac taataatttt catttaccac atcttggtgt ctttgaaaaa atactttatg 300
gcacaaacct gtttttgtct ctccattatg ctccacttcc ttcaagttaga ctatgctgta 360
caggcaattt ctcatattat ccaccatgca gtctcaatcc attttcaact tgctctacat 420
acctaaaatc ttccactact acacaaacct cagacacact gcaatctcca cagcatgtgt 480
gctccacagc atgtgtgctc cacactttca gctggccctg ggttc 525
```

&lt;210&gt; 103

&lt;211&gt; 338

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<400> 103  
gtggcgggccg aggtacgata attcatgccca atttcttttg gaatacttgt ttctgatata 60  
ataggtttaca aagcaaaatt gagatgattt ttaaaatgcc atgcagttat tttttctgaa 120  
taacataaat tttaaacaga gacctgaaaa aaaccccaaa agtattaacc tttaaatata 180  
taaactcaat agaaataatt taactgcctt ctcttcacaa gaggcaatca gaaggcagga 240  
ctatagtttt ctgtgtttct tttccacagg agagataatt acatttctag agacccatag 300  
aaacaattcc atagttttaa tttcatctct ctatctct 338

<210> 104  
<211> 432  
<212> DNA  
<213> Homo sapiens

<400> 104  
ggcccatcct gctaaaagct cagcacactc tcttcaggto tctgctgagc cccagcaga 60  
gcttgatgct cttaaactgt gctcgcctaa gagatctacc cttgctaatt cttaccctgt 120  
ccatgtggcc ctcaggttcc tcatgtcaca gggaggccct ggtgtgatga gagagtgtg 180  
ctctctgtga cagtcagata gaaaattggt gccttgatcat caaggtaatg ggggtggggg 240  
tgagaagtgg acccttcacc agagagatct gggtcagaga gagatttgat cctctggag 300  
agatccctca ggagagattg cccctgattc cagttgatta caaggctgca actgggtctg 360  
gagacttcac tccaaaaggt gggagttccc cttggggatg ggaccaaaga ggtacatggg 420  
gttggtggggc tg 432

<210> 105  
<211> 305  
<212> DNA  
<213> Homo sapiens

<400> 105  
acgcggggat gtctcttgtc agctgtcttt cagaagacct ggtggggcaa gtccgtgggc 60  
atcatgttga ccgagctgga gaaagccttg aactctatca tcgacgtcta ccacaagtac 120  
aagagataga aagaccagtc cttgctgaaa gacaagtctg aatgctccac tttttcaatt 180  
ctctctccat tcttcagtaa gtcaacttca atgtcggatg gatgaaaccc agacacatag 240  
caattcagga aatttgactt tccattctct gctggatgac gtgagtaaac ctgaatcttt 300  
ggagt 305

<210> 106  
<211> 271  
<212> DNA  
<213> Homo sapiens

<400> 106  
actgcaagca acagttactg cgacgtgaga tcatcaagaa cacgtagaga aaccagctg 60  
taatcatgca tggagataga cctacattgc atgaatatat gttagatttg caaccagaga 120  
caactgatct ctactgttat gagcaattaa atgacagctc agaggaggag gatgaaatag 180  
atggtccagc tggacaagca gaaccggaca gagcccatta caatattgta accttttgtt 240  
gcaagtgtga ctctacgctt cggttgtgcg t 271

<210> 107  
<211> 218  
<212> DNA  
<213> Homo sapiens

<400> 107  
ttggagctcc acgcgggtggc ggccgtcgcc cgagctttct cttgtccatc ttctcccgct 60  
gctgaaattt cagttgcggg cgctgtcacc tcaggacccc tcccccgcg tacgctggat 120  
agcctccagg ccagaaagag agagtagcgc gagcacagct aaggccacgg agcgagacat 180  
ctcggccccga atgctgtcag cttcaggaat ccccgct 218

<210> 108  
<211> 49

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(49)  
<223> n = A,T,C or G

<400> 108  
caccagggga cccnnggacc cgggcgacgg cnganccaac ncnngaagga 49

<210> 109  
<211> 376  
<212> DNA  
<213> Homo sapiens

<400> 109  
ttggagctcc acgcggtggc ggccggggta caagagatag aaagaccagt ccttgctgaa 60  
agacaagtct gaatgctcca ctttttcaat tctctctcca ttcttcagta agtcaacttc 120  
aatgtcggat ggatgaaacc cagacacata gcaattcagg aaatttgact ttccattctc 180  
tgctggatga cgtgagtaaa cctgaatctt tggagtaccc attcccttga tgtctacaat 240  
atcacctttc ttatagattc gcatatatgt ggccaaagga acaactccat gttttctaaa 300  
aggcctagag aacatatatc ggggtgcctct cctctttccc tttgtgttcg tcattttggc 360  
gaattactgg aagatg 376

<210> 110  
<211> 163  
<212> DNA  
<213> Homo sapiens

<400> 110  
gtggcgggccg aggtacttaa aaccaaataa aaagtgcacat ttgaatttct tttaaaagga 60  
tttccgagct cacagtcagc ttgcgagcca ttctcccgcg taccagcaca aaccggggcca 120  
gcctcctaaa ctgctcattt actgggcgtc taccggggaa tcc 163

<210> 111  
<211> 37  
<212> DNA  
<213> Homo sapiens

<400> 111  
ccatgctgtg tctgactga gactgactcc cccgcgt 37

<210> 112  
<211> 308  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(308)  
<223> n = A,T,C or G

<400> 112  
ccgcggtggc ggccgaggta ctaaggctgt ggggaaagag aagagcagtc atggccctga 60  
ggtgggtcag ctactctcct gaagaaatag gtntctttta tgctttacca tatatcagga 120  
attatatcca ggatgcaata ctcanacact ancttttttc tcacttttgt attataacca 180  
cctatgtaat ctcatgttgt tgtttttttt tattttactta tatgatttct atgcacacaa 240  
aaacagttat attaaagata ttattgttca catcaaaaaa aaaaaaana naaaangacc 300  
tgcccggn 308

<210> 113  
<211> 143  
<212> DNA  
<213> Homo sapiens

<400> 113  
tccccgcggt ggcggccgag gtactttttt tttttttttt ttatgaatta tttattttct 60  
ttctcagaaa aggatgcgcc tccacttagc aaggctgggc aggatgtggt tctgcatctc 120  
cccacagacg ggttggttct aga 143

<210> 114  
<211> 163  
<212> DNA  
<213> Homo sapiens

<400> 114  
gtggcgcccg aggtacttaa aaccaaataa aaagtgcacat ttgaatttct tttaaaagga 60  
tttccgagct cacagtcagc ttgcgagcca ttctcccgcg taccagcaga aaccaggaca 120  
gcctcctaag ctgctcattt actgggcac c taccgggaa tcc 163

<210> 115  
<211> 310  
<212> DNA  
<213> Homo sapiens

<400> 115  
taatattcta tttggtatta tattatttga tgtttgctgt tcttcaaaca tttaaatcaa 60  
gctttggact aattatgcta atttgtgagt tctgatcact tttgagctct gaagctttga 120  
atcattcagc ggtggagatg gccttctggt aactgaatat taccttctgt aggaaaaggt 180  
ggaaaataag catctagaag gttgttgtga atgactctgt gctggcaaaa atgcttgaaa 240  
cctctatatt tctttcgttc ataagaggta aaggccaat ttttcaacaa aagtctttta 300  
ataacaaaag 310

<210> 116  
<211> 546  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(546)  
<223> n = A,T,C or G

<400> 116  
gaggagctta ctgtgtcgtg gatattcttt gaaacggttt atttcactgg ctcttacttt 60  
tgttcttact aagaatgctg tgtttaggaa aacatantga gaaaattctc tttggattaa 120  
ttactgagaa actgcatgta tcaaaacatg cactctttgc atanataaca nagaaaagntg 180  
ctatttttagc aaaaataatc aatttaatga acacataagc aagagacttt gttttgacta 240  
gcgtttggtg ttaccttctc tgaagattac agtggttgaa tttgatctaa gaagtgttaa 300  
aacaaaacgt gtctaaacaa tgaagcttga taatttaacg ttttttaaaa tggtgaaata 360  
taaattgatc gtgaaagagt tggagatggg tatggtnctc tcatctgtag gggatttcag 420  
gagccanatt gcttaattcc aactctctat caagggaaca ttaatatggg ttgtgtcaca 480  
gtgtttccct ttgncacttc atttatttgg cctaccgaga gaaggtaang aatgggaaag 540  
agatta 546

<210> 117  
<211> 580  
<212> DNA  
<213> Homo sapiens

<400> 117



```

tgaatgagag cactagttct ataagaactt ataaattctg tggctaattct gatggatcag 60
gggagacttt cccggtgtaa gtgataattg atcagttgta ccagttgagc taatatagaa 120
aagatacata taacctaat attctaagt gtggctaact aacagtacag gcagaaagaa 180
gaacatgtga aaaccacat tgcaggagg aacatggaca gatcaaggaa ccaaatgaaa 240
gacagtgtga caggaatgca aagaggaaca ggagcaagat atgggatggg gccaaagaga 300
ccgatggaag ccaactctatg aagagcactc tagactttgc tgaaactttg ggtctctaac 360
aaaaaatcag tgggaggcct ttgacatgtt gaaagcaggg atatggtgtg ttcatacttc 420
tggtttggaa agatcactct ggcagcagtg aggatgacat ggaacgagga aaaaatagat 480
gtagagacaa attagaaact atcacagtcc tctagacaga aatgctttta acacgaatta 540
agatggctgg tgatgcacat gggaaaaata gcatattaga 580

```

<210> 118  
 <211> 427  
 <212> DNA  
 <213> Homo sapiens

```

<400> 118
ggtggcggcc gaggtacgcg ggataatcaa ggtgtcacat cccggtggct ggacatgccc 60
tcttgggctt ggcagatgcc agtggatcca tacaactact ccgcctgggtg gaatctgaga 120
agagccacgt gctggagcca ttgtccagcc ttgccctgga ggagcagtg ctggctttgt 180
ccctagattg gtccactggg aaaactggaa gggccgggga ccagcccttg aagatcatta 240
gcagtgactc cacagggcag ctccacctcc tgatggtgaa tgagacgagg cccaggctgc 300
agaaagtggc ctcatggcag gcacatcaat tgcaggcctg gattgccgct ttcaattact 360
ggcatccaga aattgtgtat tcagggggcg acgatggcct tctgaggggc tgggacacca 420
gggtacc 427

```

<210> 119  
 <211> 172  
 <212> DNA  
 <213> Homo sapiens

```

<400> 119
ctccccgcgg tggcggccga ggtacttaaa accaaataaa aagtgcacatt tgaatttctt 60
ttaaaaggat ttccgagctc acagtcagct tgcgagccat tctcccgct accagcacia 120
accgggccag cctcctaaac tgctcattta ctgggcgtct acccggaat cc 172

```

<210> 120  
 <211> 280  
 <212> DNA  
 <213> Homo sapiens

```

<400> 120
gcggcggggtc cacctaaaaa gtcactgcag cagagaagaa aacattggac aaagaagaaa 60
ggcgacagaa ggctagagag aggcagcaga aattgcttgc ggagtttgct tcacgacaga 120
aaggctttat ggaaactgca atggatgttg attctcctga gaatgatatt cctatggaga 180
tcaccacggc agaaccacag gtttccgagg cagtatatga ctgtgttatt tgtggacaga 240
gtggcccctc ctctgaagat cgacctactg gattagttgt 280

```

<210> 121  
 <211> 149  
 <212> DNA  
 <213> Homo sapiens

```

<400> 121
ggattcccggt gtagacgccc agtaaatgag cagtttagga ggctggccc gtttgtgctg 60
gtacgcggga gaatggctcg caagctgact gtgagctcgg aaatcctttt aaaagaaatt 120
caaatgtcac tttttatttg gttttaagt 149

```

<210> 122  
 <211> 373  
 <212> DNA

<213> Homo sapiens

<400> 122

```
tgagctcacc gggggcgggc gaaccgccat cttccagaat tcgccaaaat gacgaacaca 60
aagggaagga ggagaggcac ccgatatatg ttctctaggc cttttagaaa acatggagtt 120
ggtccttttg ccacatatat gcgaatctat aagaaagggtg ataatgtaga catcaaggga 180
atgggtactc caaagattca ggtttactca cgccatccag cagagaatgg aaagtcaaat 240
ttcctgaatt gctatgtgtc tgggtttcat ccacccgaca ttgaagttga cttactgaag 300
aatggagaga gaattgaaaa agtggagcat tcagacttgt ctttcagcaa ggactgggtc 360
ttctatctct tgt 373
```

<210> 123

<211> 150

<212> DNA

<213> Homo sapiens

<400> 123

```
aggtacctgc aggcctccta cacctacctc tctctgggct tctatttcga ccgcgatgat 60
gtggctctgg aaggcgtgag ccacttcttc cgcgaactgg ccgaggagaa gcgcgagggc 120
tacgagcgtc tcctgaagat gcaaaaccag 150
```

<210> 124

<211> 335

<212> DNA

<213> Homo sapiens

<400> 124

```
tagtaatcaa cctgttaatc caagggtcttt agaaaaactt gaaattattc ctgcaagcca 60
attttgtcca cgtgttgaga tcattgctac aatgaaaaag aagggtgaga agagatgtct 120
gaatccagaa tcgaaggccg tcaagaattt actgaaagca gttagcaagg aaaggctctaa 180
aagatctcct taaaaccaga ggggagcaaa atcgatgcag tgcttccaag gatggaccac 240
acagaggctg cctctcccat cacttcccta catggagtat atgtcaagcc ataattgttc 300
ttagtttgca gttaccctta aagggtgacca atgat 335
```

<210> 125

<211> 191

<212> DNA

<213> Homo sapiens

<400> 125

```
acctaacctc cttttaagac tgggataact attggaaaaca atagctaata ccggatatag 60
ttatttatcg catgatgagt aatagaaaag agcttcacag cttcacttaa aaatgggggt 120
gcggaacatt agttagttgg tagggtaatg gcctaccaag acgatgatgt ttagccgggc 180
cgagaggctg t 191
```

<210> 126

<211> 856

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(856)

<223> n = A,T,C or G

<400> 126

```
ctctcttttc ctcttctact agtacatcat actagagtat cnttgtattt tcacactgat 60
anggtaaatc tgtaataaca ttattcttta taatgataat aatctaattc atgatcaatt 120
atctatagat cgaatctata ctcttacatc tcgactctac gatactttaa tatagagatg 180
actcccgcgg tggcggccga tgtactatgg cctatatggg atagaaggta tttaccacgc 240
acacaacaaa cgcagttcca tattttaact gctcatcata tggcggtaac atggggacat 300
```

```
atggtgcaac cacactttca tttgatttaa caccttggtg acccccggcc gtcctagaa 360
acctaattgg atcccccccg gggctggcag gaaattcgaa tattcaaagc tttatttcga 420
ttaccgcgtcc gaccctttgt agggggtggg gctcccggtt aaccccaaac tttttatggt 480
ttcccctttt taagtggag ggggttaaaa tttgccggcg gctttggggc tgttaaattc 540
aatgggctac aattagacct tgtttttccc ctgggtggtg gaaaaaatta ggtttaattt 600
ccggcttcca acaaaatttc tccaccacca aaccaattaa acgtaagccc cctgcgggag 660
gccaattaaa aatggttgta aaaagacact tgggtgggtt gcccctaaaa ttggagggtt 720
aaagccttaa accttcaaca atttaaattt ggcggttttt gcggcctcca acttggcccc 780
cgctttttt ccacagttcc gggaaaaaac ttggttcgtg gcccagcct gccatttaa 840
attgaaatac ccggct 856
```

<210> 127  
<211> 152  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(152)  
<223> n = A,T,C or G

```
<400> 127
nccggccagg ncttatttnt ttttntttt tttcgatgtg aacaataata tctttaatat 60
aactgttttt gtgtgcatag aaatcatata agtaaataaa aaaaaacaac aacatgagat 120
tacataggtg gttntaatac aaaagtngga aa 152
```

<210> 128  
<211> 426  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(426)  
<223> n = A,T,C or G

```
<400> 128
gnggtggcgg ccgggtactn nntttttttt tttttttttt tttagacagg gtctcactct 60
gtcaccagg ctggagtga gtggtgtgat ctcgatcac tgcggcctgg acctccccgg 120
gctcaagtga tcctctcatt tcagcctccc gagtagctga gactatnggc aagccaccat 180
gcccggctaa tttttttgta tttttagag agatgacatc tcaccatgtt tcccagactg 240
gtctccaaact cctgggtcga agcaatccac ccacctcagc ctctgaagt gctgggacta 300
caggaacaag ccaactgcgc cagcttagat gaaattttt aatgtgacac aggtttttta 360
aatacagnat attcctncaa caacttcaat gtcattgnag attcttgaa taaattcact 420
cccata 426
```

<210> 129  
<211> 176  
<212> DNA  
<213> Homo sapiens

```
<400> 129
tgagctcacc gcggtggcgg ccgaggtact taaaaccaa taaaaagtga catttgaatt 60
tcttttaaaa ggatttccga gtcacagtc agcttgcgag ccattctccc gcgtaccagc 120
acaaaccggg ccagcctcct aaactgctca tttactgggc gtctaccggg gaatcc 176
```

<210> 130  
<211> 360  
<212> DNA  
<213> Homo sapiens

<400> 130  
acttgactgc taacaacttt caaattcttc tacttactcc ctcttcttca gcttcacatc 60  
tgggaaaact gatagggaag cctaggtagg cctacctttg gtgccagagg gaagctcaat 120  
ccatgcaagc ccagataaat atatgagaac ctccccaacc ttaccctaca cccctcacct 180  
cccaatccaa gccagttctc ttccctgtct ttctcaaacc atgtttggac ctgcttgga 240  
gtccctctg ctctccctag aaagcttcat tatgtgagtg atacatcttt tcatatcttc 300  
ttggtggtgt gtgtgtggtg tcatcagcct caacatctga agcaaagtgt gggggggggt 360

<210> 131  
<211> 490  
<212> DNA  
<213> Homo sapiens

<400> 131  
gtactccctg gaaagtccag ctgagaaagc gatcctgccc tctgtctctc ccagggttac 60  
cctcctgtaa gtcttctgct tagtggtcag aattggggga tgctgggact gggcaaggac 120  
ttgtaggcaa caccatag cctgtctatg cctgttgggt tgccatgga tcattccctg 180  
ctgggtcac tcaccggctt cgtataaggt cctttttgag gtttattatt tccttgcca 240  
tatacttgat gctcttcatt ggcttgtctg ggacctgct taggttctcc gaggcataaa 300  
agggccggag agcccccag ttgggggaac tctgaagctt cttggtggct ggaaccttg 360  
tcattctaaa aatccttcag gttttagcct gtgccccaa gacaaggatt tttccagaat 420  
cttctacttc agtagttact ggtatgagaa gtttcggcaa cttctccctg atccccaagt 480  
cccaattaca 490

<210> 132  
<211> 358  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(358)  
<223> n = A,T,C or G

<400> 132  
accccgogtc cggacatttt attatttttna gnnnaaanaa ataattattat agatgtaaac 60  
tttgcacctt tctaattatt atcatgagtt aagctaangt gggngnnttc nggtccctag 120  
atgatgattc ttttttgctt tactggagga gcccttgtct tgaagtgagt tgcttcaaca 180  
gcagaggact tctagttttc tcccagttga gcctaaagtg aacttttcat nttcttcaga 240  
gggaaggggc tttccttgat ttgtactttt ntgtggctct ctcagataac acaagannaa 300  
atatttaatt ctttggggtc ccagagttct tctttcacca atttaaggaa attaagga 358

<210> 133  
<211> 401  
<212> DNA  
<213> Homo sapiens

<400> 133  
gcggtggcgg ctgcccgggc aggaccgagg aaatccccta acttccttgc tatcttccca 60  
tcccatattt aggttagata gagaagtgtg tatgtgtgtg tgtgtgtgtg ttgctcgcac 120  
agtgatgaac tgtaaacata aatgaagata tggaaaaata catcaattag gacaacatga 180  
caatttcatt agactcctat caaagagtat cagttcacag tttttataga tactagtata 240  
aaattcagat cttgactgtt ttctggggat aaagcaaggc tttacaattt agcagtctgt 300  
agctagcttg aaacagtaaa acaacaacag cagagcctta agtgtatttt tgtgacctaa 360  
aacatgaact cagggttttc aaattcctaa caatgaatag t 401

<210> 134  
<211> 55  
<212> DNA  
<213> Homo sapiens

<400> 134  
gcggccgccc ggcgaggtac gcgggggagt cagacccagt caggacacag catgg 55

<210> 135  
<211> 205  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(205)  
<223> n = A,T,C or G

<400> 135  
tttttttttt ttttttttgg aggagatgga cagtgtcagt ctcttgataa gggggtgatg 60  
ggtaggtaat ttaaaagctt ctattataaa atctagtctc tctgacactg ccctgtccac 120  
tgcagtcaca tctcccaata ctgaaggatc ctgagaatac gagcgggcat gacacttact 180  
cacgtcattc accatnctcg ttgtg 205

<210> 136  
<211> 588  
<212> DNA  
<213> Homo sapiens

<400> 136  
ccgaaaaaat atgccagatg gtccttttct agaagattat ctttttagttt gggaacaaga 60  
taattatata ggaaacaaat agaggacaac ataaaagcac catataataa gatgttaatt 120  
tgtctgatac agactgtaga agtttttcat ttcagagaag ggcaaagtta gtaagactga 180  
ggctgtcaga gaggaccatg ttggtgaaat gggacttgag ctagtattta aagaataaga 240  
catgatatgg cagaggagga gagggagctg ttttcattgt gactgtctcc acttgagctt 300  
ttctaagcct cactaatttt gtgtcctggg tagaccagaa acagacttaa ctccctcagtc 360  
attcatgtga tttataaggc cttttaagta tctctcttcc tttacttctt attactccca 420  
gtgtaatctc gtagctctag aaattctttc ttaatagccc atgactacac taagcttatc 480  
ctcacttcca tacctttaga gagggaagca accttgagga tcatggacta tctctcctca 540  
taacagaaga catttaagtc tctctctaga tgagagaatg gtttaataa 588

<210> 137  
<211> 584  
<212> DNA  
<213> Homo sapiens

<400> 137  
ttccctactg gcctaaagca ctctagtttt caggaagatt acaaagtttt tccagatata 60  
gccatttttg aaagagtga ataaagaaga attaataaaa gcatattctc taaatcccag 120  
tccaagatgt tgaggttaat ggaaaccaca aaatccttct tctgtgagctg agacgaataa 180  
aatcattttat gaacagggca caatttttgg gcggtaaagt tgattgagct tgatgaagtt 240  
aaattaaaga gaaagtatat tcaacattct gggatcccca cagtgttgag attcgtgaaa 300  
tcagccacat ttgaggagtt ttaacttgcc tttttatggg agactcttct atatacatgc 360  
aggatgcaga gcgtccttag cacaaaggac tctactaaat ataactttca caacagcctc 420  
taaagccagt tggttacctc tcacctcatt agcaagcagg ctttgaattc caagtgcgcc 480  
gcatgataaa taagccttga gagctacttt cacattttgt gtaacaattt cctgcagtga 540  
cttcaagtag gaaaaacca ggtaatgttt gaaagacatc atga 584

<210> 138  
<211> 567  
<212> DNA  
<213> Homo sapiens

<400> 138  
cgggcaggtc caaatcgcac tggctcctgg actcttttcc tatcttcacc acgaactgct 60

```
gcttgctcgc ttgctcctca gtcctagctt catcaaacac tggttcctgg gatcctgtct 120
gctgctgtct tcctagattc actgaatcca cttctgtgta gcacctgggt cagctgtcaa 180
ttaatgctag tcctcaggat ttaaaaaata atcttaactc aaagtccaat gcaaaaaacat 240
taagttggta attactcttg atcttgaatt acttccgtta cgaaagtcct tcacatTTTT 300
caaaactaagc tactataatt aaggccttcc aaattcttct aactcttcca aaagccttct 360
gccttagttt tttttaaatt acaccagtcc ttttagtagc tttttgatgt gatttttaac 420
caacttcccc ttctagcttc aagtattctt ctaaattggg tctgggtctac gtaaacaccc 480
tcactttctc aagctttacc ttctaacttc tgcaccacca gaaattaaat tgatgggctt 540
ttaaataaaa ttggttacca aaaattt 567
```

&lt;210&gt; 139

&lt;211&gt; 536

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 139

```
ccacgcgtcc gccacgcgt ccggtcccag acgggctttt cccagaagct aaaagagaag 60
ggccagagaa tgcgtccca gccagcaggg aaccagacct cccccggggc cacagaggac 120
tactcctatg gcagcgtggt acactcgatg tagccccagg ggtggcgagg agctccagcc 180
agagggggaa gtctcctgc cacaccagca taccaccggg cctgtaccac gcctgcctgg 240
cctcgtgtgc aatccttggt ctgctgtctc tggccatgct ggtgaggcgc cgccagctct 300
ggcctgactg tgtgcgtggc aggcccgccc tggccagccc tgtggatttc ttggctgggg 360
acaggccccg ggcagtgcct gctgctgttt tcatggctct cctgagctcc ctgtgtttgc 420
tgctccccga cgaggacgca ttgcccttcc tgactctcgc ctgagcacc agccaagatg 480
ggaaaactga agctccaaga ggggcctgga agatactggg actgttctat tatgct 536
```

&lt;210&gt; 140

&lt;211&gt; 429

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 140

```
acgcggggct tgcattctct gggccaagga gtggtgggtg agatcttcca tggccctggc 60
atgggtgata taagcgggac cggtaagggt gtggagctct taccagaccc tgcagaacct 120
tctcctggtt gttgaacttc ctggaaccag ggtgttgcat gttttcctca taatgcaggt 180
tgggtgatgg gaagttgagg gtgaacggca ccaggagagg gccagcagtt gtggggctgg 240
ggagggagga tggagtcct gacccaaggt ccactgtgga ggtcccagga gctgaaaaaa 300
gtcctcatca gtgaaagcag aaagcactct catggcagaa acggcaagaa gatagactat 360
tatgaggtct gctgcatgtg ggcttgagct gggctctgtc ttggagctgg ggcagagggg 420
agcttgagt 429
```

&lt;210&gt; 141

&lt;211&gt; 509

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 141

```
cccgcccccg gggtaagaaa agaattgctgt gtttgcaagc aagtctttat gtttgatggt 60
aggaagttaa gaaaattatt aataaattgt ctttgcttgg agaaatagga ggcaagatta 120
tcttctaatt gggaaaatgc agcagaaggc attggcaata atgagactgg aggtttaaca 180
acagtggaga agtttcgaaa tagctgctgt ggcaacaag agaggtgact agggaaatatt 240
gaagaaatgc cagggctcac atgaggctag agatcaagaa atcactgtag tactaatcta 300
cacagttgtg gatgtttgtc cagcagcatt gacgagactg aataaattta aattaatgta 360
ggcttgaagc ttcatcgggt tatttttgct ttgtattgtg ttgctttgtg tttgatagca 420
gtacaacaag gcagtatggt taagaacatt ggcaaggcaa tggttgaagt gacaaagcat 480
aaaatctaaa ctgaacatga atggcaatg 509
```

&lt;210&gt; 142

&lt;211&gt; 379

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(379)  
<223> n = A,T,C or G

<400> 142  
acgactcact attntngggg naattggagc tccaccgcgg tggcgggccgt taaacatgtg 60  
tcaactgggca ggcggtgcct ctaatactgg tgatgctaga ggtgatgttt ttggtaaaca 120  
ggcggggtaa gatttgccga gttcctttta ctttttttaa cttttcctta tgagcatgcc 180  
tgtgttggtg tgacagtga ggttaataatg acttggtggt tgattgtaga tattgggctg 240  
ttaattgtca gttcagtgtt ttgatctgac gcaggcttat gcggaggaga atgttttcat 300  
gttacttata ctaacattag ttcttctata gggatgata ttggtccaat tgggtgtgag 360  
gagttcagtt atatgtttg 379

<210> 143  
<211> 283  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(283)  
<223> n = A,T,C or G

<400> 143  
nggcgaattg gagctccccg cgggtggcggc cggggggccat tgagactgcc atggaagact 60  
tgaaaggta cgtagctgan acttctggag agaccattca aggttcttgg ctcttgacaa 120  
agatagacca ctggaacaat gagaaggaga gaattctact ggtcacagac aagactctct 180  
tgatctgcaa atacgacttc atcatgctga gttgtgtgca gctgcagcgg attcctctga 240  
gcgctgtcta tcgcatctgc ctgggcaagt tcaccttccc tgg 283

<210> 144  
<211> 528  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(528)  
<223> n = A,T,C or G

<400> 144  
acatgcatgt gactgtacgt ctttgaaaag gcgacccac tttggtatcc aggatgaggg 60  
gaaggggaag aaacctgtta attatgcagt actttttctg taatttcaag aaggctcagc 120  
ctacaccgtg tgcaccttaa gcaaattcat ctacaccac tcagacaagg aggaagggag 180  
gaggcagagg aggagagtgc tccaagctca ttacctgtcc tttccattt ccatgtttca 240  
cctgacctag gagcttcccc tgccccaga gaaaggtagg cccaggtta caaacaaatc 300  
aagaaaaatt aataaaatgg acttttggct ttgagcagtc caagggccaa agttcttgag 360  
atttagtgtt ggcatgagat attttangcc atctgcaact acttggcaac cagccccctn 420  
cctcccccaa gtccctgangc acanccccgc tgtggcccat cctcagcta accggaattc 480  
tctaccgaaa cgtctgtctc tctacatanc ccaagttcta gggactgc 528

<210> 145  
<211> 498  
<212> DNA  
<213> Homo sapiens

<400> 145  
ccttattttt tgatgagaga gagcacggtt aacgccctta ggaagcataa gcgcctctcc 60  
atgccagagc ctgacatcag aaatgagtgg tttccacatc aacttccgct cccaccgggc 120

```
tgctcagtg  ccagggaggt  tgccgaagag  tggacagtca  gcacccctcg  catcagtgtc  180
ctggggccac  tttccatttg  gtgcagaaat  agctcttgca  tttctccacc  tggcttctgt  240
ggaccagggc  tgggccagct  accggcaagt  taagatggag  aatcatgttg  atttgggagt  300
ggaggagaaa  gggcattcac  aggccaggcc  ctggggcata  ggtgctgttg  cccataaaat  360
tatttatggg  ggtcctaagg  actgtagtca  atatttgcat  tgtaaagcag  caaccagga  420
agggtttcat  ctaccacttt  gttatttgtg  tttgtttgta  tgttatttgg  tatttattta  480
tgtatttaat  tttgagac
```

<210> 146

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(319)

<223> n = A,T,C or G

<400> 146

```
cgctacttag  ggcgaattgg  agctccccgc  ggtggcggcc  gaggtacagc  ctggaccacc  60
cctgggtgtg  agctagtaag  attaccctga  gctgcagctg  agcctgagcc  aatgggacag  120
ttacacttga  cagacaaaga  tgggtggagat  tggcatacca  ttgaaactaa  agagctcttn  180
aagtcaangg  aagctgggct  gggcagtatc  cccggcttta  gttcttctact  ggggagggat  240
tcttgaccna  gcacaaaaac  ttaacaaaag  tnnntntaaa  atnnaaagnc  naattaaaaat  300
nttaaaaaaa  aaaaaaaaaa
```

<210> 147

<211> 225

<212> DNA

<213> Homo sapiens

<400> 147

```
ttggagctca  ccgcggtggc  ggccgaggtc  gcccggccag  ccttcaagat  gggtttgtca  60
attcggccac  ctccagccac  cacaccaacc  acagctctgt  tggctgagga  gataaccttc  120
ttggagcccg  agggcagctt  cacacagggg  cttcttggtc  tcagggttgt  gggagataac  180
aggtggcata  gttccctgat  gcccgggccc  ccgcgtacct  gcccg
```

<210> 148

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(408)

<223> n = A,T,C or G

<400> 148

```
cgccccgcgt  ccgggagtg  gttgtcatag  caacagactg  atttgcaaaa  tgtaagcagt  60
ctgcagcagt  gcaaggagag  ggaagagcat  gtcccaaaag  tgnnataaat  ctgtctaacc  120
gcagttgatg  catgagttac  atttntacac  taacctgcaa  gacaccgaaa  agctaaacag  180
agacttcttt  taggtaaaat  aaacacaagc  tttacttagg  gtaagtaaag  gcatattttg  240
agctccagtc  aactaaactt  tgattttttt  tcttagttta  ttcctttgtc  tgtccatcat  300
aatgggatta  cgtgtggcaa  tgggaaaagg  gagaatacaa  aatagaggtg  tgcacagcag  360
gctgcggggc  ttagcccagg  ctaattgact  atatccaaat  taagtatg
```

<210> 149

<211> 419

<212> DNA

<213> Homo sapiens



<220>  
<221> misc\_feature  
<222> (1)...(419)  
<223> n = A,T,C or G

<400> 149  
tcaggctcga ggacatacgc tcccacgtgc cctaacgcc a tcgagngncc tancgctacc 60  
tctagcgcag aatgatgccc acgcctcgta ctaccaccc tagagcccgg tccatcgtgg 120  
gaacgtggat ttacatnggt aagggaattt ancaancgnc cggaannttt nggnccgacc 180  
cttagttgcg tcgcatgctg tacntaan an canttngaac ccttttaanc anggtnc tta 240  
accaattggn ntngngggnc gccn antng ntaancgcaa tttggaaaat gnaaccatag 300  
nncaacgttn ggaaccacga nangggaanc accttgccgc cnccttgngn aaatctccca 360  
cgatngaaaa ccgcnttggc ntnggttcgc gctctaann aaaggttaga cgcgcactt 419

<210> 150  
<211> 390  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(390)  
<223> n = A,T,C or G

<400> 150  
cgggcaggtc caaatcgcac tggctcctgg actcttttcc tatcttcacc acgaactgct 60  
gcttgctcgc ttgctcctca gtcctagctt catcaaacac tggttcctgg gatcctgtct 120  
gctgctgtct tcctagattc actgaatcca cttctgtgta gcacctgggt caagctgtca 180  
attaatgcta gtcctcagga tttaaaaaat aatcttaact caaagtccaa tgcaaaaaaca 240  
ttaagttggg aattactctt ggatcttgaa ttacttcccg taccctaaagg cctntncatt 300  
tttttcaaac taagcttctt attnttttaa agggctttcc aaaatttttt tntaaacttn 360  
ttttccaaaa agcctttttg gctttaagtt 390

<210> 151  
<211> 364  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(364)  
<223> n = A,T,C or G

<400> 151  
tactnaagg gaacaaangc tgggnaccgg gccccccctc gnggtcgacg gtatcnataa 60  
gcttgatata gaattcctgc anccnggggg anccactant tntagagggg ccgnggtacc 120  
gnacgggaaa gatgaaaant tanatccaag cggtaatata gcanggacta acccctatac 180  
cttntgcata nngaataaac tagaaataac tntgcangga gagccaaagc taagaccccc 240  
gaaaccagac gagttaccta anaacagcna aaagagcaca cccgtntatg tagcaaaaana 300  
ttgggannat ttataggttg aggggacaaa cntaccgagc ctggtgatag ctggttgtcc 360  
aaga 364

<210> 152  
<211> 380  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(380)  
<223> n = A,T,C or G

<400> 152  
ctctggccct ttctcatcta cagcatttgc tcatattttc cctncaact gggaggaacc 60  
cctccccaac ttcttttntt ccaagcttaa tgatttctca taaacttttc tctgagcccc 120  
taggaaaaaa actgtgtttt ctttgcgtgc cccaaccat agtagtcaac tttaaaattg 180  
gcattaacac attccccctt gtcttacaca tatacatttc tttacactcc tatttgatga 240  
caggtccatc caggaaagna atcatatctt ctatgcctta ttccttagag taacttgtgt 300  
attacaggtg ttcaatgatg ggtaatgatt aagtgaagaag atcanggcac gaggnatgtg 360  
tgcaaaaaggc tgggggctgt 380

<210> 153  
<211> 490  
<212> DNA  
<213> Homo sapiens

<400> 153  
tactttacag gatggcattt aatacagata tttcgtattt cccccactgc tttttatttg 60  
tacagcatca ttaaacta agctcagtta aggagccatc agcaacactg aagagatcag 120  
tagtaagaat tccattttcc ctcatcagtg aagacaccac aaattgaaac tcagaactat 180  
atttctaagc ctgcattttc actgatgcat aattttctta ttaatatata gagacagttt 240  
ttctatggca tctccaaaac tgcattgacat cactagtctt acttttgctt aattttatga 300  
gaaggtattc ttcattttta attgcttttg ggattactcc acatcttttg ttaattttct 360  
tgactaatca gatttttaat agagtgaagt taaattgtgg gtcataaaaa gcattggatt 420  
gacatatggt ttgccagcct aagggtttac aggcatgtgc caaacatttt ttgagaacta 480  
tatttataag 490

<210> 154  
<211> 593  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(593)  
<223> n = A,T,C or G

<400> 154  
ttggagctcc accgnngngg cggccgaggt aactcgtct tgaataggct aaagggttggt 60  
cttcaggttg tggcagtcac ggctccaggg tttggtgaca atagaaagaa ccagcttaaa 120  
gatatggcta ttgctactgg tgggtgcagt tttggagaan aggggnattga cccctgaatc 180  
ttggaaggac cgttcagccc tcatgactta agggaaaaag ttggagaggg tcatattgtga 240  
cccaaagacg attgccatgc tccttaaaaa gggaaaaagg tgacaaaggc tcaaaattga 300  
aaaaacgtat tttcaagnaa aatcaattng agcaagttaa gatgtcaca actaagtga 360  
atattgaaaa agggaaaaaa cttgaaatga acnggctttg canaaaaact tnaanaatgg 420  
gaagtgggccc tgggtggctt aagggttttg gtgnggacca aagttgaatt gtttgaaagt 480  
tgaantgana aaaggaanag gaccaggagt tcaccaggat ggcccnttta aatggcctan 540  
caaagaagct tgcttgnttg gaannaaagg cctttggttt ttgggggagg ggg 593

<210> 155  
<211> 380  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(380)  
<223> n = A,T,C or G

<400> 155  
gctccccgcg gtggcggccg aggtactcgt aggttcagta tcattggtgg ccaattgatt 60  
tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgccg tagggatggg 120

```
agggcgatga ggactaggat gatggcgggc aggatagttc agacggtttc tatttcctga 180
gccgtctgag atgttttagta ttaagttagt ttttgttgtg agtgtttaga aaaagggcat 240
acagggacta nggaagcaga ataaggaaaa tgattatgag ggccgtgac atgaaaangg 300
tgataagctc ttctatgata ggggaagtac cgtctttag accctacttg cgctgcatgt 360
gccatcccg gtcctgccc 380
```

<210> 156

<211> 576

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(576)

<223> n = A,T,C or G

<400> 156

```
tccgancccc gcgtccgtgt ngttccacct gggacgcgag cctaggggag gctgaggctg 60
gaaggggcag gtggtcccca gccaggaac agaaccagg ggtcctaatt ccaagctcag 120
tatgccccct gcctgacatg gccacacgtg cttttcaggc gttgcctgag cctcacctag 180
cctggcacag gaagccttcc tcaggacctg ggcgggaggc tcccagaagg cagtgtccat 240
ctctaacgca gcttagagag gagcactcac aagatgaagt cctcagagct ctgagaggat 300
gatgatgaac cctctccag cctcctnctg ncaagcttgg tcttctgtcc accctaccct 360
cacctacca ccccccttcg cccaagcgt aagcagctgg cantggtgac aaaagccgtg 420
cccagctttg ggggcattta gaagccaaaa gttggcattt tacttgggcc ggctcttggc 480
ttaagaagna agtgcactta atcccttaag aggatgtgtn gcaaggaaga tgaagaagga 540
agggnaagct tagggaagga aaatccnccg ggggtt 576
```

<210> 157

<211> 515

<212> DNA

<213> Homo sapiens

<400> 157

```
atggctcgaa ttaaaaatat ataagtaaaa agtcttaact tttctcccta tcacctagcc 60
agccagttcc cctctctgga ctcaaatttg tgttactagt tctagtgtat ccttccaaga 120
tactttatct ggtacaagca gaatacattt tcttttccct gccttctttt acacaaatga 180
tttacacatt attttctact tttttcattt aatataccta tgagatcatt acataacagt 240
atataaagaa tctcttcac tttttttttt tttggatgtg aaaaatacca tgtgtggatt 300
agtcagagtt tactggtaca gatagtaaaa tgtccagaag acatttcac ccatggcag 360
atatttgtat tatatgataa ttttctgtag ctgcaatcgg tggaccacaa aatgtcttta 420
taatttcatt agctgttgcc aaattgccct ccatagagat catatacatt tacattccca 480
ctggcagtg atgaatacta ggttctccat accta 515
```

<210> 158

<211> 197

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(197)

<223> n = A,T,C or G

<400> 158

```
aaagantttc tattatgcaa agtgtttttag nactgacctg ntatatatga aagnnagnnc 60
taaaacactn tgnataanta ttacccttaa cttacacaat aatctaata ggcangtata 120
ctatnatttt aagcccatct tacacatnca ggaacatagg aacgaagatt acatganctg 180
ncactnaagn ggcctac 197
```

<210> 159

<211> 501  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(501)  
<223> n = A,T,C or G

<400> 159  
agaaccgaga atcagctgta tggaaatgca cacagggtggc agatataaat agcagcagat 60  
acacgaaatca gtgcgggtcc atcatataac tcctagcttt agtctctaaa cttaggctcc 120  
cactcaactc aactcctact ctaactcaag atataccata ccttggtttg ctctttctct 180  
aagcatcgct gttctagtct tctaaggagc aggaatataa atctacatct atgtgaaact 240  
acagcacccc caagggaataa taaagaatcc agtgctattc tagtaatttt agggcagtag 300  
tacagtacaa tgcaaagtat aggcttttga actaaattgg cctgggttca aatatgagcc 360  
ctctcacatt ctattaggtt gaaccatata aaaatggaga tattcaatca tttttttaca 420  
gtttcacgta gttcatctct gtattctagt ggtaaactcat tttaacctaa gtttcatttc 480  
cttctgttgn tagttttttt a 501

<210> 160  
<211> 372  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(372)  
<223> n = A,T,C or G

<400> 160  
ctcttttgaca gctnncgagc caattattct gaacacacat tcgactcagt cagttttcct 60  
ataatnaaaa tgtntggcnt aatagaatca ctntctggcc tgtgtncctt gagatctaag 120  
cacgnttttt cagnctgcag taaccctaac tatcattact gncatttcga tccaatttnt 180  
tntcccatna ttnggctgac aaanagaaaa acatnntatc ctaanttaaa atcttttcagg 240  
taaagtctgc cttatagtcn atacctnttn cacacaaagc agataataaa gcntttttcca 300  
ttgttaattn agtanctcaa tgtgggtattg aaattaagga actgagactt ctgnatccac 360  
cttatctatc ag 372

<210> 161  
<211> 483  
<212> DNA  
<213> Homo sapiens

<400> 161  
ccacgcgtcc ggatcacgcc actgcactcc agcctgggca acagaaaaaa aaaaaaaaaa 60  
gatagggtgct gttcagtttg atcacttggt aagatagggc ctgtcttggt tctcccctgt 120  
gaagttttcca tccgtaattg ataaatatct tatggcgaaa tactttcaca ctaggcaaact 180  
gtgctgcttt tctcctccc actccgattt tggcatccat cactggacct tgtctgcacc 240  
agttattact ctgtcacttg tctaattgtt attttctgtg tcccttattc cttcaccatt 300  
tattaattgg aattcttcaa taaggaagaa ctgtccctag ccctcttcca ttcacttggt 360  
cattcaatga tttctttata tcacgatgag ttcgtgggta tttattttat tctatgggct 420  
gtagtcacta ctttcattgt ttatttcatt gtcgaatcg ttcaggcttt ggcccttgaa 480  
aac 483

<210> 162  
<211> 355  
<212> DNA  
<213> Homo sapiens

<220>



```
gacaattcaa tgactncttt nntccctttt ctctattccc tcttaccacg gctgcgatac 120
tgtgtcttag acatctgctt tttggctgct tcattcccca ggaggctaca ttntgcattt 180
ttcanccctt ggaagcagtt ctgtnccttt gaagnntnc ttcattggtt cttangacct 240
agacaaaact aatacttccc attcactttg ctaattttcc atctttaatt tatatacttt 300
attaagtata ttttaaatag agacgagatt aaaaaatatt tacaactatt ct 352
```

<210> 166  
<211> 416  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(416)  
<223> n = A,T,C or G

```
<400> 166
cgccnccgct ccgggataga gcaggcacct gggttctggg aggcctggta ctgtttctca 60
ggccacccaa ggcagagcca cacatttgcc agccctcctg nacagtgcc atcccagaga 120
ctgatcaggg aggaaggac agcgccaaca gcagctgcca cagacgggct ttgtcagaaa 180
ctaattttta aagacaaaaa ggagtganen nttttagnnt gttttntttc ttganaaana 240
aaattccacc ccggtccent ttttttttta aaaggggggn aaaaaaaaaa nggggccntt 300
naaanncnct ctaaaaaaan ntggganctt ttnntngggg ccttttaaaa anccccanna 360
aaggggnnct ttttttttna aaaaaaannt nttttttttg ggnggaanaa aaaaaa 416
```

<210> 167  
<211> 346  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(346)  
<223> n = A,T,C or G

```
<400> 167
cggtggcggc cgtaaacaat gtgtcactgg gcaggcggtg cctctaatac tgggtgatgct 60
agaggtgatg tttttggtta acaggcgggg taagatttgc cgagttcctt ttactttttt 120
taacctttcc ttatgagcat gcctgtgttg ggttgacagt gagggtaata atgacttggt 180
ggttgattgt agatattggg ctgttaattg tcagttcagt gttttaatct gacgcaggct 240
tatgcggagg agaattgttt catgttactt atactaacat tagttcttct atagggngat 300
agattggncc aattgggtga naggagtnc a gttatatgtt tgggat 346
```

<210> 168  
<211> 333  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(333)  
<223> n = A,T,C or G

```
<400> 168
aggcggaatt ggagctcccc gcggtggcgg cccgaggtac aagctttntt tttttttttt 60
tttttttttt ttctttttct acacatgctt ttttattagt atagatnctt tnacagacaa 120
tactgtaatt ttttagaggag ttccacatna ttacatcaac agtgngaatt tctaacagag 180
gcaaaactga gcaccatngt ttacaagtan gaaagaccat gcttgnggac aacagaagtt 240
nactaaggat gcacgattga tctgagaagt ttttaagcnt ccgtcctcgc cctcctcctc 300
cttgaactcc cnttgttcgt cggcccgttt nan 333
```

<210> 169  
<211> 492  
<212> DNA  
<213> Homo sapiens

<400> 169  
ccgcggtggc ggccgcccgg gcaggtacat tggcacgtca cgatgtcttg agtttcattc 60  
actaggtggc agcctgcacg gttccactgc aaatgactga aatcccaaaa cacacaatga 120  
ggctggctca ggtttgactc tatcttggaa aaaaatagga aaacttcatt tatggaatag 180  
ttttgaataa ccgtggatat cacaggcca ttgacctgag catttccatt tttggaaacg 240  
ggtagaatgt tccccagagt caacgaggcc atgctgataa tagtttcttg aagggatctc 300  
tggaattggc ctgacccaat taacacacgg cctctgatgg gaatagatgt attttgggga 360  
cacattttta tctgatagct gtaacccctt ttgagttggc ttttggtcac tggaatccct 420  
ttccagtcac tgaatttccg agaaaaattc agaggaagag ctgtcggagg caccagagtg 480  
ctgatgtttt ct 492

<210> 170  
<211> 493  
<212> DNA  
<213> Homo sapiens

<400> 170  
gcgtccgctt caggtgccct tataaggctt ccatgatgca gtcacctaag actggggtgt 60  
cttagtagca aggatgacaa tgtgatgtgt atttttgtta acctctgtgt gtatggcttg 120  
aattgatgct ttgtgtgtgg ccagagggga gaggtgggtg tatcctggca cgatcgtgaa 180  
atggatagga taatgttttt aaacttagtg ggagagagaa atgaaaacca accagaatat 240  
aaggccatct aaagtgcata atagactcaa gcaggttcta tggaggagga agaagtgatt 300  
aattctgatg gggaggctgg ggaagcaggt gtctaaggaa aggttaccaa gaagggtggca 360  
attgaacttg gccttgaaagg atttaggggg tagaatgcta gggaaaatat tccagggtga 420  
gaaaatgagt gagaagaggt gcaaaagagg accactccag agaaacagtg ggtaataaga 480  
tttgactgga ggg 493

<210> 171  
<211> 434  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(434)  
<223> n = A,T,C or G

<400> 171  
tnaccctact aaagggaaca aaagctgggt accgggcccc ccctcgaggt cgacggtatc 60  
gataatgctt gatatogaat tcctgcagcc cgggggatcc actagttcta gagcgggccga 120  
ggtcggccta ggtcaacaac cgactaatca ccaccaaca atgactaatc aaactaacct 180  
naaaacaaat gataaccata cacaacacta aaggacgaac ctgatctctt atactagtat 240  
ccttaatcat ttttattgcc acaactaacc tcctcggact cctgcctcac tcatttacac 300  
caaccaccca actatctata aacctagcca tggccatccc cttatgagcg ggcgcagtga 360  
ttataggctt tcgctctaag attaaaaatg ccctaaccga cttcttacca caagggaacac 420  
ctacaccctt tate 434

<210> 172  
<211> 212  
<212> DNA  
<213> Homo sapiens

<400> 172  
acccacgcgt ccgcttacgt ttgttgtttt tcagtaatgt gattttcttt taagttgggg 60  
gttatgcagg gttgtcattt tgttataacc atctaatttc tgccctgtgt gctttaatgc 120  
taaatagagat atcaacagct gacttcatat ctacacctgt agctccctgc tgagttttgg 180

aggggtctgct catgggaaga aataggaaag ag

212

<210> 173  
<211> 328  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(328)  
<223> n = A,T,C or G

<400> 173  
aaacngttct aggggggttga actacatagt aaaaaaata aaataaatag tacttagtgt 60  
aaaataattht tataaatgat cttttgtact ttaggacatt aaattgtaca acttttgtat 120  
atataaaagc ttaggaactt tctgttttagc aggaaggcaa cacattccta cacttttaat 180  
gtatatgttt gttataatgt ccatgtaaac atgccctatg tttgtgcctt ttaattagtt 240  
tgtctnaata aacaaaatgt agagaaaaat atgtagctat gactttgtta caactgttct 300  
tatccacagn acaaaaatgg tttgnttt 328

<210> 174  
<211> 445  
<212> DNA  
<213> Homo sapiens

<400> 174  
accaagcatt ggacacacaa aaatacaggc agctttcttc ctcaaggagg tcacaggtgg 60  
gtgtgtccat agcaaagctg ggaggaagt gtatgaggag cctgaagaca atggggagct 120  
aggggaaagt tctgagtaga aaggaaatg tggacaaagg tttgaaatga tgaagactga 180  
ttaggaagtt catattatga agcataattc aagctttctc tacgatgttc aaatcccatc 240  
tctcctactt actagatagg tgacattggg caagttactt atctcctctg ctctgttta 300  
tttgtttcaa aaacaggagc ctctctcaca gtgtgattat gaagactgga caagaaaatg 360  
gagtttttgt tttgaatgag ttaggggtct ttgccttagg cgtgtagtgg agacatggtt 420  
tacacaattt gctgcacctt ctgga 445

<210> 175  
<211> 246  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(246)  
<223> n = A,T,C or G

<400> 175  
catggggaat caaataaggt acatttaatt ttcattctcag atgtgagaaa actggaactt 60  
agaaaagcaa agtaaatgct catgggcaca ctactgttaa gataaatctg gnattnaaat 120  
gtaggtctct ctgattataa aactcatgnt ctttctcttg caggatgctg ccagtgaacc 180  
cagagccttt tgttttcctc caatattctc agtgctttta atatttaatg atccttcaac 240  
gtntct 246

<210> 176  
<211> 432  
<212> DNA  
<213> Homo sapiens

<400> 176  
atgtgtggca caaagtaaaa atttctccat gcacttcaga tgatccatag tttccctaaa 60  
cactgtggac ttgcagagaa ggaagtgtgg gaacagcatc aacatactct tacatacagg 120  
gcctgcaaga atctcacgtg gtaggaaaat tcatttttca accactacac ctgttctatg 180



```
aatacagcaa ttggttatgt gtagagaagc atagcatcat atgtatTTTT acatactatt 240
gccattacta ggTTTTatta gggacagaac cttggtagaa taaaagcaca tttagaatat 300
aatgctactt tcatcatcat ttgttatatt gtcttaatat tcttcacacc caagacttga 360
atatatatat atattttacat ggaagtaaag tttacatgga acaatgccaa ggaagggggt 420
ttcaggcaac aa 432
```

<210> 177  
<211> 541  
<212> DNA  
<213> Homo sapiens

```
<400> 177
gcgtccgact tcttatgaga aatccacatt ttatccaaca aatgattatt ctataatttt 60
ttccaatata tctattctaa ttagttcttc tccacatcag cacatttcat gctgcctttg 120
tttatctaac tgattgtata acaatttttc aaatttggtt ttaaaattaa atattatttt 180
ttgccttaat agcttctaaa agatcctcca cacatctaga aaacttattt ctatttttaa 240
acaaagggtta cattaatttc ttttaacaagg acatcacatt gttggattgt gttgaacctg 300
tgatgaaata aaagggtcaa ggattttctc acataaactc tgtgaaaaca tttcctcaag 360
tgtctgtgca atgaatgttt agtgctataa atccatctag tgtgtacctt gatttttagca 420
tttatcatta tatcttcatt ctacttcata tattcaatat tcatgtcctt tcatatgtat 480
acatagaagg aagagatcct gaaggacagg acaaagattc attaaaaaat attcctagtg 540
c 541
```

<210> 178  
<211> 315  
<212> DNA  
<213> Homo sapiens

```
<400> 178
cgcgctccgca ctgcctctgt ctctgtctct catacacata tacacacaca cacacacaca 60
cacacacaca cactctctct ctctctctct ctctctccag tggctgttaa gttctgaagg 120
actggggact gttagacata attgaaagta aggtaacagg ctaaggagaa gctcagtttg 180
aacattgcaa tgtaaagtc tcaaagcctg tgactttcaa gtatttctgt tgcattaatt 240
gtattttcct gcttagctgt gttcagacat agtatttgca tttcttgag ctttcattcc 300
aacagtctaa cattt 315
```

<210> 179  
<211> 356  
<212> DNA  
<213> Homo sapiens

```
<400> 179
gacaggatgt tcttccatac aaagaagtgc tcacagtctt tctggccggc cagtaagtga 60
atgatttcag gcctggtggg caatactgt gtccatgctg aacacagccc aaccacagta 120
gtaggcagct gaatgtaata ccgaactcca ctcatgaaac tgtacttgaa cattttaccc 180
actgcatggg gggaagattg gatgcatctg tccttacaca cggttcaggc atatgaacgc 240
ctagctggct gacaagagga tattgagata cgatttggat tggatacgca taattgaaca 300
ggccaggaaa gtcacccgaa ggctaaacgc ctgtactgcc ataacggtat atccat 356
```

<210> 180  
<211> 392  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(392)  
<223> n = A,T,C or G

```
<400> 180
atgtggctct gaacatgacc agtgctcca gctnccanat gctgacangg tgcanatgan 60
```

```
catantcact ggncgtgttct ctggtggcac ttcactgggc cgganagctg gtgctgagcc 120
agnggatggg catcctance accatcgann ngctggnggn ngcgggcctg gntgacctac 180
tgagcacagc ncaacagnaa caacatgctc acctatagtg atcacaggcc tatttggntt 240
tgcgaccta tatctgctgc tgggtgcncat gtgctacata tcannacngc tanntcagca 300
gnaaacctc gagggacacn gnnggangca nnggacgcct tntgncaggt gggccaacaa 360
ccgctcattg ccgtggcact gctgggcaac at 392
```

<210> 181

<211> 621

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(621)

<223> n = A,T,C or G

<400> 181

```
gggggggctg gggnccggga acnccgttat caaaacaacc aatnggntng gatccaacct 60
ttgtggggac catgagncgt gtttggactc ntacctaaaa attaacattg ggtttggcat 120
tagtncctca aggaaaagag ggtggccaat cgtttttatt ttttaggggg ggtaataaaa 180
aaccaacgag gaccgtgagn gggttttaat aaggagaatt atattggacc acngnaatgg 240
tttctccacc ttgtctatcc aaccattgta gttgtanttn ttgttgaaaa aaccncctt 300
gtaatanacan ccttgtttta atangtggaa ggggccaaat tnggaagcnc cattgggant 360
nggaatcatt ngnaggcggt atttttcggc cnaaccacaag gtttangacc acganggggg 420
gggttttaaac aaaattggaa acaagttnng gnaaacccct ttttagggcc ctttggnggg 480
gaataattgg ggataaaaata attcngggct cggaaggca aaaanttaa ntttttggg 540
gggggggggg cccnttaggg gggtccttca aaaaaaatta atttggggat tgggccc aaa 600
gggggttcnt ttcccaaaag g 621
```

<210> 182

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(431)

<223> n = A,T,C or G

<400> 182

```
ccgtaagatc tccagcatgg agaagagtct ggagggaaac accaaaactca taacagtctt 60
actgcaggca agtgggataa aggccagac tccatggngg aagttaaagg gcatttccaa 120
gttaaggcta agacttgctt ttctaactaa gagaatgtgc tcatgcattg cttgtgtagt 180
agaaactagt ttttagaaaa gaaagcaaac ttaagaaaca ctgactcctg tggagatgac 240
ttggcaccac tctcctttca cagagcagag tctgaatagt cttcagagat aggcctgtgg 300
gccagattgc catcccttat ggaccagaag ccaaggatct ctctagtgat ggtcagaggg 360
cccaaatggc agggataccc agtgatgtca ggaggaataa gtgcagacag aaggtgctaa 420
gcagacaatt c 431
```

<210> 183

<211> 473

<212> DNA

<213> Homo sapiens

<400> 183

```
cagggttttac ccactggctc taggttttgc ttacgttgca tgaaggttga ggggaggctt 60
tcactctgcg aacttgaaat tggttgtgat cccatattct ttgattagaa cgtgaaaagt 120
aatttgatga agcatgcgtg tgtatcatct tggcacatgc tacctttaat acttgaatgc 180
ataatgtttt tattcctgga gccactaaat ggtgagaggt ggtcaaccaa ggcaaagggc 240
ggtgtgggga aaatgaagaa aggctgagac agctaaaagt ttatccctat tctcccacct 300
```

```
gtgacaagat ttccaagaac acagtaatga tggagaattg ccactatgtg tgaacctagc 360
catgggcata cgcttatgag cgggcgcagg gaagataggc tttcgctcta agattaaaca 420
tgcgctaagc cacttattac cacaaggcgc acctacaccc cttatcccca tac 473
```

<210> 184  
<211> 487  
<212> DNA  
<213> Homo sapiens

```
<400> 184
gtggcgccg aggtacatgg taaatcagtc ttacaaaagg cttatTTTTT caggcaggag 60
gagaggctgg tggctttgag cttttggcct ggaattccag tctgaatttt caaatattcc 120
ctgcctccaa cccctttggg tctagtctt caagccaata acagagcagg agtctgaccc 180
tggtctgttg cctggcacgg ctgaatcaaa gccattctgg aagcagatgt taagggtgaac 240
ttgtcacttg gtatgtaggc ccgactccca tcccagagggt ggcagtgggc cttgggtcaa 300
gatcaagttt gaactaaaat attacttggg tttttcacia agagtgtccg ttgaaagcaa 360
taaggaattc cagaacagaa ctgcacttct tgtccctctc tcacacttac aaagcttcag 420
aaaacattaa aaatgcatta cctcctagga attacaaaag atcacccaac tgtacctgcc 480
cgggcgg 487
```

<210> 185  
<211> 548  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(548)  
<223> n = A,T,C or G

```
<400> 185
cgcggtggcg gcgcgccggg caggtagctt aaaatacata tcaaaaacac catgcaggca 60
ccagagtcct gaaattgtca gagaatttct cacagcattg aaaagccaca agttgaccaa 120
agctgagaag ctccagctgc tgaaccaccg gctgtgact gctgtggaga tccagctgat 180
ggtggaagag agtgaagagc ggctcacgga ggagcagatt gaagctcttc tccacaccgt 240
caccagcatt ctgcctgcag agccagaggc tgagcagaag aagaatacaa acagcaatgt 300
ggcaatggac gaagaggacc cagcatagaa gagcacagct ggccccggcg tttcatgaag 360
tcagaaggcc tggcaagcca tttcctggac gttgagagga ttgnttattt gatttttatc 420
ctcatcccag caggcctggc tttgtgggta gttgggtacc tcggcccgtc tctagaacta 480
gtnggatccc ccgggcttgc aggaatttgc atatnaagct tatcgatacc cgtcgnocn 540
gagggggg 548
```

<210> 186  
<211> 303  
<212> DNA  
<213> Homo sapiens

```
<400> 186
cgaccacgcg tccgcaagca gctgaatcct gctggtgaat ctgaaatagc tgaaaaaatc 60
cataccacca gaaattcatg gttttccacc tctgctaagc tagtaggcaa ccagtaaatt 120
atTTTgtctg tcatcactac tttcccccat ttgactattc ttccaataat tattctaaat 180
tacttagcct ttagcccca atctctagac tctcttcttt aagcagacaa ctttgcttat 240
tacttgaatg aaaaaattga gccagtcatt cttgagctcc ctcagtttgt ggcctccac 300
ctg 303
```

<210> 187  
<211> 570  
<212> DNA  
<213> Homo sapiens

<220>

<221> misc\_feature  
<222> (1)...(570)  
<223> n = A,T,C or G

<400> 187  
atnaccctac taaaggaac aaaagctggg taccggggccc cccctcgagg tgcaggtat 60  
cgataacgct tgatatcgaa ttcctgcagc ccggggggatc cactagttct agagcggccg 120  
aggtaccgca agggaaagat gaaaaattat aaccaagcat aatatagcaa ggactaacc 180  
ctataccttc tgcataatga attaaactaga aataactttg caaggagagc caaagctaag 240  
acccccgaaa ccagacgagc tacctaagaa cagctaaaag agcacaccg tctatgtagc 300  
aaaatagtgg gaagatttat aggtagaggc gacaaacctt ccgagcctgg tgatagctgg 360  
ttgtccaaga tagaatctta gttcaacttt aaatttgccc acagaaccct ctaaatcccc 420  
ttgtaaattt aactgttagt ccaaagagga acagctcttt ggacactagg aaaaaacctt 480  
gtagaggaga ggaaaaaatt taacacccat agtaggccta aaagcagcca ccaattaaaa 540  
agcgttcaag ctcaacaccc actcctaaaa 570

<210> 188  
<211> 380  
<212> DNA  
<213> Homo sapiens

<400> 188  
ccacgcgtcc gcggacgcgt gggcggacgc gtgggagcgc cccatcattt gacgggtgaag 60  
caggactcag gctgtgtgtc ctggagctac ttctcaccaa ctgtggtcag tgcaggggga 120  
acgaggaggt cttttggggg cctggcgagg ggaagggctg ctgcagtcta gggagagggg 180  
gtgcagcctg ggggatgttg gtggacatgg atgtggaggt ggaaggagga aggacgttgc 240  
gtggagtggg gggaaggagg ccgggagccg tgtgcgagag caggtggaaa gccttgaggg 300  
gcaggaccag gatgcagctg gcttgtagaa gagctcagga gtgagcctgg cactccagag 360  
ggcgcggcgg gtgggggaggc 380

<210> 189  
<211> 348  
<212> DNA  
<213> Homo sapiens

<400> 189  
acgcggggca attagaaatt attgcagaaa gaagattcac tctcacctga tgaataagtg 60  
ttcatagggtg aaggctacaa aataactaatt tgattattatt ttttaataata atttttgttt 120  
tgctgagaaa gtggatttac cactttttta ttttttaatc caaggaggaa aaattatttc 180  
caaaccaaat cctaaaaatt tttcacgttc taaaccagtt caagaacatt gagtaaacag 240  
aaatattcca tttgtcaaaag tttttcttat cggctcagat aatgaaaaaa ttgggataat 300  
tgaaacaaga gaagctattg aaatggcaaa agaacaaaaa ctcgatgt 348

<210> 190  
<211> 642  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(642)  
<223> n = A,T,C or G

<400> 190  
aggtacaaac ttagaagaaa attggaagat agaaacaaga tagaaaatga aaatattgtc 60  
aagagtttca gatagaaaag gaaaaacaag ctaagacaag tattggagaa gtatagaaga 120  
tagaaaaata taaagccaaa aattggataa aatagcactg aaaaaatgag gaaattattg 180  
gtaaccaatt tatttttaaaa gcccatcaat ttaattttctg gtggtgcaga agttagaagg 240  
taaaagnctt gagaaagatg aggggtgttt accgntagga ccaggaacca atttaggaag 300  
aaatacnctt aaggctagga agggggaagg tttgggttta aaaaaattca ncattcaaaa 360  
anaggcttac ntaaaaaaag gacctnggtg gtaattttta aaaaaaaaaa cttaaagggc 420

```
angaagggtct tttgngaaag gaggttnaga aaggaaattt ggggaaaggg ccctttaaaa 480
atattaggta gctttaagtt ttgaaaaaaa tgtngaaaag gacnttttcg taaaccggga 540
agggttaaatt naaaggaatc aaagaagtaa ttttacccaa actttaatgg ttttttgcca 600
ttnggacctt ttgnagttaa aagaatttat tttttttaaa at 642
```

```
<210> 191
<211> 574
<212> DNA
<213> Homo sapiens
```

```
<400> 191
aggtacaaac ttagaagaaa attggaagat agaaacaaga tagaaaatga aaatattgtc 60
aagagtttca gatagaaaat gaaaaacaag ctaagacaag tattggagaa gtatagaaga 120
tagaaaaata taaagccaaa aattggataa aatagcactg aaaaaatgag gaaattattg 180
gtaaccaatt tatttttaaaa gcccatcaat ttaatttctg gtggtgcaga agttagaagg 240
taaagcttga gaagatgagg gtgtttacgt agaccagaac caatttagaa gaatacttga 300
agctagaagg ggaagtgggt taaaaatcac atcaaaaagc tactaaaagg actggtgtaa 360
tttaaaaaaa actaaggcag aaggcctttg gaagagttag aagaatttgg aaggccttaa 420
atatagtagc ttagtgtgaa aaatgtgaag gactttcgta acggaagtaa ttcaagatca 480
agagtaatta ccaacttaat gtttttgcag tggactttga gttaagatta ttttttaaat 540
cctgaggact agccattaat tgacagctga ccca 574
```

```
<210> 192
<211> 511
<212> DNA
<213> Homo sapiens
```

```
<400> 192
tttcctgttt gagatgggtt atatgagctt gtattttcta tgttacaaca aatgactgca 60
gagaggtagt ttttctttcc ctaatgacca ttaatctatg caagattttg ataaagccat 120
aaatgatgat attgttttct ttttttcagg catgattttt ttcaatcacc tgggaatata 180
tttaattgtt tatatactgc tgagagtata gcttcattat tgaggtctct gttctaaaga 240
ttattatata acatagaatc taattgccga cctgattctg tactttccta ataaatttat 300
gtgcacattt gatggtgtag catggacaga agttattaag tcattgattg ttgatggatg 360
tgaagaacct tcacgaataa aagtattaaa tacactaac ctatgctcgt gcatgttatg 420
aaggaaagtg gagaccagcc ttttctctct ctgtttctgc ccagcatgcc tttgattttc 480
aaattggcgt ttttgacat gccagtgcac t 511
```

```
<210> 193
<211> 895
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(895)
<223> n = A,T,C or G
```

```
<400> 193
tgcgtagggg ttccgtaccg ggggtgattcc gaatnaanga cctctggaat aatnccgnag 60
ggtgtcctng cgaggncncc ggggggggag nattcgcgac gtgagntttt ctcagnaagn 120
cnggtcaccg aaggnggtgc tcagaaatgt ttacacntag atctcacgnt tctccaaata 180
aggaagtgna gaccacggcn tacctttttg cggacgacct naagcggaga ganaaaacnc 240
nttttggtta tgnangnagg ggangntcat atananaaag ttnttanacc accnccaat 300
naaggtnagg ggccctttaa aaataagtct atgncccnna accccacact nttaaangg 360
gaaanaagnc cggttttcca aangccnctt caaaaaccaa ctcccnacct ttanccctt 420
aaaananaaa aaaaatttcn tcnccaaaaa taaccctaatt taattnaaan cgttgggaaa 480
aaccttnoct cctttccaaa ccaaaccncc nccaaaaatt tttgggggga accccaaca 540
atttccttta attcccaacc ccngcntta atttaaggga aaaagggtaa aaaccttta 600
aaaaatttgg gntnttnaag gnttnanttt taaaaagggg ttnaaaaccc aaatttggg 660
aaaaaaaaa acccaatttt tttcctttcn ncnnttttct ccgggggcna atttaaaaaa 720
```

```
gggccccccc tttggggccc nggtttccta aaggnnaaat ttttnaaaaa anaaaaancc 780
aacccttttg naaaaaacco tttggggaac ccanaaaant ttttaaaaaa ccaaagggcc 840
ccccccaan aanttaattt ncctttaacc caaaaaattt ccaaaaaacc ccna 895
```

<210> 194  
<211> 341  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(341)  
<223> n = A,T,C or G

```
<400> 194
aggtacattt tctctgctgc aaccaggat ttgggcttat gatcaggagg aatggtgatt 60
ccatattccc agcctttctc atccaccact cgatttatgt cataagacca tgcacatct 120
tcccattccc aacctgggag gnacaagtca actcgctggg tgatgctgct ttatcgccgt 180
tcgcatcncg tgtagggtgt tcctcgcccg ccaccgccc gtgggaagct cccaatttcg 240
ccctatantg gaggtcggta tttacgcgcg gctcacctgg ccgtcgtttt accaacgtcg 300
tgactggggg aaaaaccctg gcggtttacc caaccttaaa t , 341
```

<210> 195  
<211> 609  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(609)  
<223> n = A,T,C or G

```
<400> 195
ncnttttttt tttttttgaa cccctcccg ttancannac ngncacttgc nacattnatn 60
taaggggggc acngtanana tatgggntta aacccttacc ccacnccgt ngngctngg 120
ngaccgtgaa cnccgtcacn ccgtgtgnac cacgaggnta anccgtgncc acaatggggg 180
atcctnatte ttgggcnctt gtanaatggc aaagattnaa gcgatcatng gnattggagg 240
gtgtnttcag ccantggaag aatttaacaa cctnaagat ttaacttngg ggngcgacaa 300
ttttaanaag gngcgnggcg ttngagttaa agtngcgtng gattngaacc tccttaattg 360
gantggnggg ggaanaaaaa gcctaatang gcttgggggn ggatccttta aagccggggc 420
ggccccaant tctttttntt ttaaaaaaat tcccttttga aaagggaag gnaccggcca 480
aataataggg ggccnccctt ttaatttcaa naaattttcc aaagcccgtt ttggggccgn 540
gnaccacctc ccggggccct tttccgaant ttaaagaaag ntggggggan gncnnaaatt 600
ggggggcnc 609
```

<210> 196  
<211> 608  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(608)  
<223> n = A,T,C or G

```
<400> 196
gcnggccgcc cgggcaggta cgcgggaatg ggcacnntgn agcgcaagta ggtctacaag 60
acgtacttc ccctatcata gaagagctta tcacctttca tgatcacgcc ctnggggnatc 120
attntcctta tctgcttcct agtcctggta tgcccttttc ctnaaccact cacaaaccaa 180
aaacttaact aaataactta acaatcctna gaacgcctca aggnaaanta agaaaacccg 240
tontgaaact tattcctgcc ccgcccacat tcccttagnt ccctcaattc tggncacctn 300
```

```
ccaanccct accgccaatc cctttttaca ataaaacagg accgaagggt ccaaacngaa 360
tccctcccc nttaccatt caaaaaatca aaattnggcc cacccaaatt ggannacctt 420
gaaacccta accgaagtta ccttcggtc cgccttctta agaaactaag gngggaatcc 480
ccccnnggg cctggnaang gaaatttcgg ataatacaaag ccttaattcc gaatancccg 540
gtccgaaccc ttcggagggg gggggggccc ccgggtacc ccangcttt ttgggtttcc 600
ctttttaa 608
```

<210> 197

<211> 314

<212> DNA

<213> Homo sapiens

<400> 197

```
acctgtgtgg aaaagaatgc ttgcaaagct tgtcacctc acgagaattc ctgtgacaga 60
catttgcctt tgacagtga aacagatatt aaagtgaag gagaagaaac cgaagagcat 120
cagaggggac gactgggtta cttaactgtt ggggagcaat ctgaggagtt gggtaccaga 180
gaaactggcg atggcgatcc cgtgagcaac atctctcaga cccattttta atgccggggg 240
atacttaatc atgctgaaaa acagcagagc cctgagggtt tggactaaca tgttgcagaa 300
agaagagaaa tata 314
```

<210> 198

<211> 288

<212> DNA

<213> Homo sapiens

<400> 198

```
cgaccacgc gtccgggtaa aaaaacagct tttaataaag ctgtctactt tttctagtgtg 60
gcttttactt caactagtta gaatgaagt tattgttttg ttgtaggaac ttctgaaggc 120
cataaaaagt ctaacataca aatatatgga cagttttctg cagagtacca tgaagatcca 180
gtcttagtat acacatttca agaactgat agctgctctt taatattaac tgctgatttt 240
tcaggtttag atggagtgat ctcatgttgc ccattcttgc ctttactt 288
```

<210> 199

<211> 147

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(147)

<223> n = A,T,C or G

<400> 199

```
aggtaccnna ngggaaagat gaaaaattat aaccaagcat aatatagcan ggactaaccc 60
ctataccttc tgcataatga atnaactaga aataactttt gcaaggagag ccaacgctaa 120
gacccccgaa accagacgag ctaccta 147
```

<210> 200

<211> 577

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(577)

<223> n = A,T,C or G

<400> 200

```
gtcgaccccg cgtccgctta gggaactgca atattataag tatagtaatg acngcagnng 60
agaaccataa tgatggcctc cccggcaaag aagaaccaac ccgtgttacg cctgagggtg 120
caattttttg aattttttgca gtnagaccct ggcgatgacc ttgagcagta gnggataaat 180
```

```
tccacatgct tagcgtncca gtaatggaac actaggcata aatgggttat taaagtatcc 240
anaattaaca tgcttagctg tgacattgga aaggcaatgt gtttgctgtg gcacacatac 300
tantaataaa tgactggtcc gaatttggtt ttcgtttgtc tattaaagtc aatttactaa 360
ggcagggagg gccagagct gtgctgtcca gttcaatagc catgcgtgac tgctaaggac 420
ttccaaagtg gntagtccaa tgtcagggtat gctgcaagtg tcaaacacac actggatttc 480
aaagactaaa nccaaaaaaa tgtnaaatca tctnaatatt ttggttatac tcggttnaag 540
aaaataaaat tatttttgcg ttttatgttt ttaaaaag 577
```

&lt;210&gt; 201

&lt;211&gt; 439

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 201

```
ataaagcaca aagacttggg aattagatgt tttgaccctc tggcctccta gttctgtgac 60
ttagggcaag ttgtttcttc ttttttcttt cctctccct ccttcacaac atttttaggt 120
gggtactctt attatcctta ttttacaagt ttcattaggc acagaaaggc taagagttac 180
agttgtaagt gatggatttg tgatttggac ttaggcaatt caatttcatt atctgtgatt 240
gctttattag gagtctgaac tgtattcttg aagtcccaga agatagttaa ctattctgga 300
tttttttaaa gagcttttag aaatgtaagt acttgtttta tgggtaactg gatcgaatcc 360
cattttacaa aatgaagatt tttctttttt tcttaaacad aatgaatctt tgaaatacca 420
atttgaatac ttttttact 439
```

&lt;210&gt; 202

&lt;211&gt; 432

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 202

```
ggcccatcct gctaaaagct cagcacactc tcttcaggtc tctgctgagc cccagcaga 60
gcttgatgct cttaaactgt gctcgcctaa gagatctacc cttgctaatt cttaccctgt 120
ccatgtggcc ctcagggttc tcatgtcaca gggaggccct ggtgtgatga gagagttgtg 180
ctctctgtga cagtcagata gaaaattgtt gccttgatc caaggtaatg ggggtggtggg 240
tgagaagtgg acccttcacc agagagatct gggtcagaga gagatttgat cctctggag 300
agatccctca ggagagattg cccctgattc cagttgatta caaggctgca actgggtctg 360
gagacttcac tccaaaagggt gggagttccc cttgggggatg ggaccaaaga ggtacatggg 420
gttgtggggc tg 432
```

&lt;210&gt; 203

&lt;211&gt; 567

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 203

```
cgggcaggtc caaatcgcac tggctcctgg actcttttcc tatcttcacc acgaactgct 60
gcttgctcgc ttgctcctca gtcctagctt catcaaacac tggttcctgg gatcctgtct 120
gctgctgtct tcctagattc actgaatcca cttctgtgta gcacctgggt cagctgtcaa 180
ttaatgctag tcctcaggat ttaaaaaata atcttaactc aaagtccaat gcaaaaaacat 240
taagttggta attactcttg atcttgatc acttccgtta cgaaagtcc tcacattttt 300
caactaagc tactatatatt aaggccttcc aaattcttct aactcttcca aaagccttct 360
gccttagttt tttttaaatt acaccagtcc ttttagtagc tttttgatgt gatttttaac 420
caacttcccc ttctagcttc aagtattctt cttaaattgg tctgggtctac gtaaacaccc 480
tcacttctc aagcttttacc ttctaacttc tgcaccacca gaaattaaat tgatgggctt 540
ttaaaataaa ttggttacca aaaattt 567
```

&lt;210&gt; 204

&lt;211&gt; 429

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 204



```
acgcggggct tgcattctctg gggccaagga gtgggtgggtg agatcttcca tggccctggc 60
atgggtgata taagcgggac cggtaagggtg gtggagctct taccagacct tgcagaacct 120
tctccgtggt gttgaacttc ctggaaccag ggtgttgcatt gttttcctca taatgcaggt 180
tggtgatggt gaagttgagg gtgaacggca ccaggagagg gccagcagtt gtggggctgg 240
ggagggagga tggagtccct gacccaaggt ccaactgtgga ggtcccagga gctgaaaaaa 300
gtcctcatca gtgaaagcag aaagcactct catggcagaa acggcaagaa gatagactat 360
tatgaggtct gctgcatgtg ggcttgagct gggctctgtct ttggagctgg ggcagagggg 420
agcttgagt 429
```

<210> 205  
<211> 509  
<212> DNA  
<213> Homo sapiens

```
<400> 205
cccccccccg gggtaagaaa agaattgctgt gtttgcaagc aagtctttat gtttgatggt 60
aggaagttaa gaaaattatt aataaattgt ctttgcttgg agaaatagga ggcaagatta 120
tcttctaatt gggaaaatgc agcagaaggc attggcaata atgagactgg aggtttaaca 180
acagtggaga agtttcgaaa tagctgctgt ggcaaacaa agaggtgact agggaaatatt 240
gaagaaatgc cagggctcac atgaggctag agatcaagaa atcactgtag tactaatcta 300
cacagttgtg gatgtttgtc cagcagcatt gagcagactg aataaattta aattaatgta 360
ggcttgaagc ttcacgggtt tatttttgct ttgtattgtg ttgctttgtg tttgatagca 420
gtacaacaag gcagtatggt taagaacatt ggcaaggcaa tgggtgaagt gacaaagcat 480
aaaatctaaa ctgaacatga atggcaatg 509
```

<210> 206  
<211> 360  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(360)  
<223> n = A,T,C or G

```
<400> 206
cgccnccgtt ttttnaaaag aaaatagatg aaaaaaactc caagatgacc actttcgatg 60
ttgtatgtca atcctgaatt ctctgtagctg gtgagagagg cacaagagat gctaaaggag 120
aatgcaggat ccagcagcgt tgatggcgac agcagctcag ccgcacgttg tcgagcactg 180
gatagttgat taaaagcgtt tccatcactc attcagcaag cactggccaa gccacctgtc 240
atgtgctagg catatctgtg acctcattta cctgctcact gtggctgtta caataaagg 300
gtggaaagcg agaggcagag ctgttggtct tctcgagtcc aggacttgag ccctgatctt 360
```

<210> 207  
<211> 379  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(379)  
<223> n = A,T,C or G

```
<400> 207
acgactcact attntngggg naattggagc tccaccgcgg tggcggccgt taaacatgtg 60
tcaactgggca ggcgggtgcct ctaatactgg tgatgctaga ggtgatgttt ttggtaaaca 120
ggcggggtaa gatttgccga gttcctttta ctttttttaa cttttcctta tgagcatgcc 180
tgtgttgggt tgacagttag ggtaataatg acttgttgggt tgattgtaga tattgggctg 240
ttaattgtca gttcagtgtt ttgatctgac gcaggcttat gcggaggaga atgttttcat 300
gttacttata ctaacattag ttcttctata ggggatagaa ttgggtccaat tgggtgtgag 360
```

gagttcagtt atatgtttg

379

<210> 208

<211> 283

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(283)

<223> n = A,T,C or G

<400> 208

nggcgaattg	gagctccccg	cggtggcggc	cgggggccat	tgagactgcc	atggaagact	60
tgaaaggtca	cgtagctgan	acttctggag	agaccattca	aggcttctgg	ctcttgacaa	120
agatagacca	ctggaacaat	gagaaggaga	gaattctact	gtcacagac	aagactctct	180
tgatctgcaa	atacgacttc	atcatgctga	gttggtgtgca	gctgcagcgg	attcctctga	240
gcgctgtcta	tcgcatctgc	ctgggcaagt	tcaccttccc	tgg		283

<210> 209

<211> 528

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(528)

<223> n = A,T,C or G

<400> 209

acatgcatgt	gactgtacgt	ctttgaaaag	gcgaccccac	tttggtatcc	aggatgaggg	60
gaaggggaag	aaacctgtta	attatgcagt	actttttctg	taatttcaag	aaggctcagc	120
ctacaccgtg	tgcaccttaa	gcaaattcat	ctacacccac	tcagacaagg	aggaagggag	180
gaggcagagg	aggagagtgc	tccaagctca	ttacctgtcc	tttcccattt	ccatgtttca	240
cctgacctag	gagcttcccc	tgcccccaga	gaaaggtagg	ccccaggtna	caaacaaatc	300
aagaaaaatt	aataaaatgg	acttttggtc	ttgagcagtc	caagggccaa	agttcttgag	360
atttagtggt	ggcatgagat	attttangcc	atctgcacta	acttggcaac	cagccccctnc	420
cctcccccaa	gtcctgangc	acanccccgc	tgtggcccat	ccctcagcta	accggaattc	480
tctaccgaaa	cgtctgtctc	tctacatanc	ccaagttcta	gggactgc		528

<210> 210

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(319)

<223> n = A,T,C or G

<400> 210

cgctacttag	ggcgaattgg	agctccccgc	ggtggcggcc	gaggtacagc	ctggaccacc	60
cctggtgtgt	agctagtaag	attaccctga	gctgcagctg	agcctgagcc	aatgggacag	120
ttacacttga	cagacaaaga	tggtggagat	tggcatacca	ttgaaactaa	agagctcttn	180
aagtcaangg	aagctgggct	gggcagtatc	cccggtttta	gttcttcact	ggggagggat	240
tcttgaccna	gcacaaaaac	ttaacaaaag	tnntntaaaa	atnnaaagnc	naattaaaat	300
nttaaaaaaa	aaaaaaaaaa					319

<210> 211

<211> 225

<212> DNA

<213> Homo sapiens

<400> 211

```
ttggagctca ccgcggtggc ggccgaggtc gcccggccag ctttcaagat gggtttgtca 60
attcggccac ctccagccac cacaccaacc acagctctgt tggctgagga gataaccttc 120
ttggagccgg agggcagctt cacacagggc cttcttggtc tcagggttgt gggagataac 180
aggtggcata gttccctgat gcccgggccc ccgcgtacct gcccg 225
```

<210> 212

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(390)

<223> n = A,T,C or G

<400> 212

```
cgggcaggtc caaatcgcac tggtccttgg actcttttcc tatcttcacc acgaactgct 60
gcttgcctgc ttgctcctca gtcctagctt catcaaacac tggctcctgg gatcctgtct 120
gctgctgtct tcctagattc actgaatcca cttctgtgta gcacctgggt caagctgtca 180
attaatgcta gtcctcagga tttaaaaaat aatcttaact caaagtccaa tgcaaaaaca 240
ttaagtttgt aattactctt ggatcttgaa ttacttcccg tacccaaagg cctntncatt 300
tttttcaaac taagcttctt attnttttaa agggttttcc aaaatttttt tntaaacttn 360
ttttccaaaa agcctttttg gctttaagtt 390
```

<210> 213

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(321)

<223> n = A,T,C or G

<400> 213

```
cgcncgcgt ccgcactgcc tctgtctctg tctctcatac acatatacac acacacacac 60
acacacacac acacacactc tctctctctc tctctctctc tccagnggct gttaagttct 120
gaaggactgg ggactgttag acataattga aagtaaggta acaggctaag gagaagctca 180
gtttgaacat tgcaatgtaa agtcctcaaa gcctgtgact ttcaagtatt tctgttgcatt 240
taattgtatt ttctgtctta gctgtgttca gacatagtat ttgcatttct tggagctttc 300
attccaacag tctaacattt t 321
```

<210> 214

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(380)

<223> n = A,T,C or G

<400> 214

```
ctctggccct ttctcatcta cagcatttgc tcatattttc ccctncaact gggaggaacc 60
cctccccaac ttcttttntt ccaagcttaa tgatttctca taaacttttc tctgagcccc 120
taggaaaaaa actgtgtttt ctttgctgcc cccaaccat agtagtcaac tttaaaattg 180
gcattaacac attccccctt gtcttacaca tatacatttc ttacactcc tatttgatga 240
caggtccatc caggaaagna atcatatctt ctatgcctta ttccctagag taacttgtgt 300
```

attacaggtg ttcaatgatg ggtaatgatt aagtgaaaag atcanggcac gaggnatgtg 360  
tgcaaaaaggc tgggggctgt 380

<210> 215  
<211> 531  
<212> DNA  
<213> Homo sapiens

<400> 215  
cgtccgggga agacatggaa gatctgggtc atgacccaga atttgatcgt ggaaaagcaa 60  
gatgcataat atctgatggt atggatgcag gcctttggca actttgtact actagggaca 120  
taatggactc tgtagtcaga gttatggcca tggccataga ctatagacgg caggcctggc 180  
ttcgacttac atctctcact aagaaaaccc aggagaagat ctcccacttg ccctttgatg 240  
gtacttccct ttttggacaa gatgtgaaag ctggtgttgc agaagacaac aatataaaaag 300  
aaaatgacta taaagatcac aaatactata atcagcatcg atacttttat agtcatgatc 360  
agaaagcaca ttatcacaaat agaggatact ccaaagggga ttggtacaaa cctcgaaacc 420  
accctatag atatagaaaag aaggagact cttcagaacg catgggtaca agaattaata 480  
acctggttaa tgttcagcag agtagtcatt caagatccta actattttac t 531

<210> 216  
<211> 501  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(501)  
<223> n = A,T,C or G

<400> 216  
agaaccgaga atcagctgta tggaaatgca cacaggtggc agatataaat agcagcagat 60  
acacgaatca gtgcgggtcc atcatataac tcctagcttt agtctctaaa cttagggtcc 120  
cactcaactc aactcctact ctaactcaag atataccata ccttggtttg ctctttctct 180  
aagcatcgct gttctagtct tctaaggagc aggaatataa atctacatct atgtgaaact 240  
acagcaccac caagggaata taaagaatcc agtgcatttc tagtaatttt agggcagtag 300  
tacagtacaa tgcaaatgat aggccttttg actaaatttg cctgggttca aatatgagcc 360  
ctctcacatt ctattaggtt gaaccatata aaaatggaga tattcaatca tttttttaca 420  
gtttcacgta gttcatctct gtattctagt ggtaaatacat tttaacctaa gtttcatttc 480  
cttctgttgn tagttttttt a 501

<210> 217  
<211> 515  
<212> DNA  
<213> Homo sapiens

<400> 217  
atggctcgaa ttaaaaatat ataagtaaaa agtcttaact tttctcccta tcacctagcc 60  
agccagttcc cctctctgga ctcaaatttg tgttactagt tctagtgtat cttccaaga 120  
tactttatct ggtacaagca gaatacattt tcttttccct gccttctttt acacaaatga 180  
tttacacatt attttctact tttttcattt aatatcctaa tgagatcatt acataacagt 240  
atataaagaa tctcttcac tttttttttt tttggatgtg aaaaatacca tgtgtggatt 300  
agtcagagtt tactggtaca gatagtaaaa tgtccagaag acatttcac cacatggcag 360  
atatttgat tatatgataa ttttctgtag ctgcaatcgg tggaccacaa aatgtcttta 420  
taatttcatt agctgttgcc aaattgccct ccatagagat catatacatt tacattccca 480  
ctggcagtg atgaatacta ggttctccat acctaa 515

<210> 218  
<211> 580  
<212> DNA  
<213> Homo sapiens

<400> 218  
tgaatgagag cactagttct ataagaactt ataaattctg tggctaattct gatggatcag 60  
gggagacttt cccggtgtaa gtgataattg atcagttgta ccagttgagc taatatagaa 120  
aagatacata taacctaat attctaagt gtggctaact aacagtacag gcagaaagaa 180  
gaacatgtga aaaccacat tgcaggaggg aacatggaca gatcaaggaa ccaaagaaa 240  
gacagtgtga caggaatgca aagaggaaca ggagcaagat atgggatggg gccaaagaga 300  
ccgatggaag ccactctatg aagagcactc tagactttgc tgaaactttg ggtctctaac 360  
aaaaaatcag tgggaggcct ttgacatgtt gaaagcaggg atatggtgtg ttcatacttc 420  
tggtttggaa agatcactct ggcagcagtg aggatgacat ggaacgagga aaaaatagat 480  
gtagagacaa attagaaact atcacagtc tctagacaga aatgctttta acacgaatta 540  
agatggctgg tgatgcacat gggaaaaata gcatattaga 580

<210> 219  
<211> 197  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(197)  
<223> n = A,T,C or G

<400> 219  
aaagantttc tattatgcaa agtgtttttag nactgacctg ntatatatga aagnnagnnc 60  
taaaacactn tgnataanta ttacccttaa cttacacaat aatctaataa ggcangtata 120  
ctatnatttt aagcccatct tacacatnca ggaacatagg aacgaagatt acatganctg 180  
ncactnaagn ggcctac 197

<210> 220  
<211> 372  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(372)  
<223> n = A,T,C or G

<400> 220  
ctcttttgaca gctnncgagc caattattct gaacacacat tcgactcagt cagttttcct 60  
ataatnaaaa tgtntggcnt aatagaatca ctntctggcc tgtgtncct gagatctaag 120  
cacgtntttt cagntgcag taaccctaac tatcattact gncatttcga tccaattnt 180  
tntcccatna ttnggctgac aaanagaaaa acatnntatc ctaanttaaa atctttcagg 240  
taaagtctgc cttatatcnn atacctnttn cacacaaagc agataataaa gcnttttcca 300  
ttgttaattn agtanctcaa tgtggtattg aaattaagga actgagactt ctgnatccac 360  
cttatctatc ag 372

<210> 221  
<211> 483  
<212> DNA  
<213> Homo sapiens

<400> 221  
ccacgcgtcc ggatcacgcc actgcactcc agcctgggca acagaaaaaa aaaaaaaaaa 60  
gatagggtgt gttcagtttg atcacttggg aagatagggc ctgtcttgtt tctcccctgt 120  
gaagttttcca tccgtaattg ataaatatct tatggcgaaa tactttcaca ctaggcaa 180  
gtgctgtctt tctcctccc actccgattt tggcatccat cactggacct tgtctgcacc 240  
agttattact ctgtcacttg tctaattgtg attttctgtg tcccttattc cttcaccatt 300  
tattaattgg aattcttcaa taaggaagaa ctgtccctag ccctcttcca ttcacttggt 360  
cattcaatga tttctttata tcacgatgag ttcgtgggta tttattttat tctatgggct 420  
gtagtacta ctttcattgt ttatttcatt gctcgaatcg ttcaggcttt ggcccttgaa 480

aac

483

<210> 222  
<211> 355  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(355)  
<223> n = A,T,C or G

<400> 222  
attggagctc cccgcggtgg cggccgcccc ggcaggtatt cggtgcttcc caacacctcc 60  
ttattggaaa acagccaagg agatggtggc taactggagg catcaccacg cagtgggtgga 120  
gcagtggagc aagggtcattt gtgcactcac ttccagattg ctacgcttta catatgggtcc 180  
ttcatttcct gcattttaaag ttcccgatga agatgccagt ctgatccctc cagaaatgga 240  
taatgagtgt gntgcacang acatggtttc gctttttaca catgttaagt aatnctgtgg 300  
atttgagtaa cccagctatt ataagctcta ctcccaaatt tcaggaacag ttctt 355

<210> 223  
<211> 391  
<212> DNA  
<213> Homo sapiens

<400> 223  
tcactatagt tcgaattagg agccccaccg cggtgggcggc cgatgtactt tttttttttt 60  
ttttttgctt ttttaattgga tgccctggaga caattccatt tcaattacct tattggcatg 120  
acgagatata caagggtcgc caatgtcaat acattaagac tgagcgtgct ggagcagcag 180  
ccagggttca gggcactgct gtgtcatctg cgccacggtg cacaaaggca gcttcaaaag 240  
catttcagca tgatcgcttc cctctctccg ctccctgggga gagaaggatc ctgcacacca 300  
caggcaaatc atgctgaaat tgagggtggtg cctttgggac tcccatccca tcacagtctt 360  
gggattcttt agctgagatc tactagagcc t 391

<210> 224  
<211> 352  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(352)  
<223> n = A,T,C or G

<400> 224  
ccccgctnag aacaacattt ttaaaacact tgataacttg tatctcacat tctaccatgt 60  
gacaattcaa tgactnctt nntccctttt ctctattccc tcttaccacg gctgcgatac 120  
tgtgtcttag acatctgctt tttggctgct tcattcccca ggaggctaca ttntgcattt 180  
ttcanccctt ggaagcagtt ctgtnccttt gaagnntnc ttcattgttn cttangacct 240  
agacaaaact aatacttccc attcactttg ctaattttcc atctttaatt tatatacttt 300  
attaagtata ttttaaatag agacgagatt aaaaaatatt tacaactatt ct 352

<210> 225  
<211> 416  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(416)  
<223> n = A,T,C or G

```

<400> 225
cgccncgcgt ccgggataga gcaggcacct gggttctggg aggcttggtg ctgtttctca 60
ggccacccaa ggcagagcca cacatttgcc agccctcctg nacagtgcc atcccagaga 120
ctgatcaggg aggaaaggac agcgccaaca gcagctgcca cagacgggct ttgtcagaaa 180
ctaattttta aagacaaaaa ggagtganen nttttagnnt gttttntttc ttganaaana 240
aaattccacc ccggtcccnt ttttttttta aaaggggggn aaaaaaaaaa nggggccntt 300
naaanncnct ctaaaaaaan ntggganctt ttnntngggg ctttttaaaa anccccanna 360
aaggggnnct ttttttttna aaaaaaannt nttttttttg ggnggaanaa aaaaaa 416

```

<210> 226

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(346)

<223> n = A,T,C or G

```

<400> 226
cgggtggcggc cgtaaacaat gtgtcactgg gcaggcgggt cctctaatac tggatgatgct 60
agaggtgatg tttttggtaa acaggcgggg taagatttgc cgagttcctt ttactttttt 120
taacctttcc ttatgagcat gcctgtgttg ggttgacagt gagggtaata atgacttggt 180
ggttgattgt agatattggg ctgttaattg tcagttcagt gttttaatct gacgcaggct 240
tatgcggagg agaattgttt catgttactt atactaacat tagttcttct atagggngat 300
agattggncc aattgggtga naggagtnca gttatatgtt tgggat 346

```

<210> 227

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(333)

<223> n = A,T,C or G

```

<400> 227
agggcgaatt ggagctcccc gcggtggcgg cccgaggtac aagctttntt tttttttttt 60
tttttttttt ttctttttct acacatgctt ttttattagt atagatncct tnacagacaa 120
tactgtaatt tttagaggag ttccacatna ttacatcaac agtgngaatt tctaacagag 180
gcaaaactga gcaccatngt ttacaagtan gaaagaccat gcttgnggac aacagaagtt 240
nactaaggat gcacgattga tctgagaagt ttttaagcnt ccgtcctcgc cctcctcctc 300
cttgaactcc cnttggtcgt cggcccgttt nan 333

```

<210> 228

<211> 529

<212> DNA

<213> Homo sapiens

```

<400> 228
cgacccacgc gtccggaaga attaacaaaa gctacagccc taaccatcat ggataagaaa 60
ctgtggtggg cagacaaaaa cttagccag ctaggaaacct gcagcaaaag agacggaaga 120
aaccacacca tcctacggaa taagacttct ggggtagtgc atatgaaagt ctatgataaa 180
gaagcacagc aaggcagcaa ttcttgccaa ctaaacaatg gtggatgctc tcaactttgt 240
ttaccaacat ctgaaactac aaggacttgt atgtgtacag tgggatatta tctccaaaag 300
aaccgtatgt catgtcaagg gatagaatca tttcttatgt actctgttca tgaaggaatc 360
aggggaatac ctcttgaaac aagtgacaaa atggatgctt tgatgcctat atcaggaact 420
tcatttgccg tgggaataga tttccatgca taaaatgata ccatttactg gacagacatg 480
ggcttcaata aaattagcag agctaaaaga gatcagactt ggaaagaag 529

```

<210> 229  
<211> 492  
<212> DNA  
<213> Homo sapiens

<400> 229  
ccgcggtggc ggccgcccgg gcaggtacat tggcacgtca cgatgtcttg agtttccattc 60  
actaggtggc agcctgcatc gttccactgc aaatgactga aatcccaaaa cacacaatga 120  
ggctggctca ggtttgactc tatcttgga aaaaatagga aaacttcatt tatggaatag 180  
ttttgaataa ccgtggatat cacaggtcca ttgacctgag catttccatt tttggaaacg 240  
ggtagaatgt tccccagagt caacgaggcc atgctgataa tagtttctgg aagggatctc 300  
tggaattggc ctgacccaat taacacacgg cctctgatgg gaatagatgt attttgggga 360  
cacattttaa tctgatagct gtaaccctt ttgagttggc ttttgttcac tggaatccct 420  
ttccagtcaa tgaatttccg agaaaaattc agaggaagag ctgtcggagg caccagagtg 480  
ctgatgtttt ct 492

<210> 230  
<211> 493  
<212> DNA  
<213> Homo sapiens

<400> 230  
gcgtccgctt caggtgccct tataaggctt ccatgatgca gtcacctaa actgggggtgt 60  
cttagtagca aggatgacaa tgtgatgtgt atttttgtta acctctgtgt gtatggcttg 120  
aattgatgct ttgtgtgtgg ccagagggga gaggtggtgg tatcctggca cgatcgtgaa 180  
atggatagga taatgttttt aaacttagtg ggagagagaa atgaaaacca accagaatat 240  
aaggccatct aaagtgctaa atagactcaa gcaggttcta tggaggagga agaagtgatt 300  
aattctgatg gggaggctgg ggaagcaggt gtctaaggaa aggttaccaa gaaggtggca 360  
attgaacttg gccttgaagg atttaggggg tagaatgcta gggaaaatat tccaggggtga 420  
gaaaatgagt gagaagaggt gcaaaagagg accactccag agaaacagtg ggtaataaga 480  
tttgactgga ggg 493

<210> 231  
<211> 434  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(434)  
<223> n = A,T,C or G

<400> 231  
tnaccctact aaagggaaca aaagctgggt accgggcccc ccctcgaggt cgacgggtatc 60  
gataatgctt gatatcgaat tcctgcagcc cgggggatcc actagttcta gagcggccga 120  
ggtcggccta ggtcaacaac cgactaatca ccaccaaca atgactaatc aaactaacct 180  
naaaacaaat gataaccata cacaacacta aaggacgaac ctgatctctt atactagtat 240  
ccttaatcat ttttattgcc acaactaacc tcctcggact cctgcctcac tcatttacac 300  
caaccaccca actatctata aacctagcca tggccatccc cttatgagcg ggcgcagtga 360  
ttataggctt tcgctctaag attaaaaatg cctaaccaca cttcttacca caagggacac 420  
ctacaccctt tatc 434

<210> 232  
<211> 328  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(328)



<223> n = A,T,C or G

<400> 232

```
aaacngttct aggggggttga actacatagt aaaaaaata aaataaatag tacttagtgt 60
aaaataattht tataaatgat cttttgtact ttaggacatt aaattgtaca acttttgtat 120
atataaaagc ttaggaactt tctgttttagc aggaaggcaa cacattccta cacttttaat 180
gtatatgttt gttataatgt ccatgtaaac atgccctatg tttgtgcctt ttaattagtt 240
tgtctnaata acaaaaatgt agagaaaaat atgtagctat gactttgtta caactgttct 300
tatccacagn acaaaaatgg tttgnttt 328
```

<210> 233

<211> 212

<212> DNA

<213> Homo sapiens

<400> 233

```
acccacgcgt ccgcttacgt ttgtttgttt tcagtaatgt gattttcttt taagttgggg 60
gttatgcagg gttgtcattt tgttataacc atctaatttc tgctgtgct gctttaatgc 120
taaagtagat atcaacagct gacttcatat ctcacctgtg agctccctgc tgagttttgg 180
agggtctgct catgggaaga aataggaaag ag 212
```

<210> 234

<211> 705

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(705)

<223> n = A,T,C or G

<400> 234

```
aatncgactc actatagggc gaattggagc tccaccgcgg tggcggccgt taaacatgtg 60
tcactgggca ggcggtgcct ctaatactgg tgatgctaga ggtgatgttt ttggtaaaca 120
ggcgggggtaa gatttgccga gttcctttta ctttttttaa ctttcccta tgagcatgcc 180
tgtgttgggt tgacagttag ggtaataatg acttggttgg tgattgtaga tattgggctg 240
ttaattgtca gttcagtgtt ttaatctgac gcaggcttat gcggaggaga atgttttcat 300
gttacttata ctaacattag ttcttctata gggatgata ttggtccaat tgggacctcg 360
gccgctctag aactagtggg tcccccgggc tgcagggaatt cgatatcaag cttatcgata 420
ccgtcgacct cgaggggggg ccgggtaccc agcttttgtt cccttttagtg agggtttaatt 480
gcgcgcttgg cgtaatcatg gtcataagctg tttcctgtgt gaaattgtta tccgctcaca 540
attccacaca acatacgagc cgggagcata aagtgtaaa cctgggggtgc ctaatgagtg 600
agctaactca cattaattgc gttgcgctca ctgcccgtt tccagtcggg aaacctgtcg 660
tgccagctgc attaatgaat cggccaacgc gcgggggagag gcggt 705
```

<210> 235

<211> 445

<212> DNA

<213> Homo sapiens

<400> 235

```
accaagcatt ggacacacaa aaatacaggc agcttcttcc ctcaaggagg tcacaggtgg 60
gtgtgtccat agcaaagctg ggaggaagtt gtatgaggag cctgaagaca atggggagct 120
aggggaaagt tctgagtaga aaggaaatg tggacaaagg tttgaaatga tgaagactga 180
ttaggaagtt catattatga agcataattc aagctttctc tacgatgttc aaatcccatc 240
tctcctactt actagatagg tgacattggg caagtactt atctcctctg ctctgttta 300
tttgtttcaa aaacagggac ctctctcaca gtgtgattat gaagactgga caagaaaatg 360
gagttttggg tttgaatgcg ttaggggtct ttgccttagg cgtgtagtgg agacatgggt 420
tacacaattht gctgcacctt ctgga 445
```

<210> 236

<211> 474  
<212> DNA  
<213> Homo sapiens

<400> 236  
actcaggcct tactgggatt tcctttaaga cctctgggag gaagtgtcag tagctgggca 60  
ggccttcttg gcaagcattc ctccctgggt tgtggcgagg gctcccgccc tgcgtgtgtg 120  
cagctgcagg ctccctggga cctgaaggaa aagcttaacc gttctccctt cccttgcttg 180  
gcacttagag cactagttcc attccagaca taccgattat cttgcctacg tggcatagag 240  
gcctaggagc ctccctggga ggaagaggca ggccaaggct ttgcctggct gcttttaggg 300  
ggaaagatgt agggaggaag ctgccttatg cttggatctg cagcctttgc ctggacctgt 360  
ggagcctatt tggccagggt gagggagaca aaaattaaaa cccatcgtat tcagctaata 420  
cttttcttgc ctttgaacat tgccggggag tctggaaaaa aaaaaaaaaa aaaa 474

<210> 237  
<211> 246  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(246)  
<223> n = A,T,C or G

<400> 237  
catggggaat caaataaggt acattttaatt ttcattctcag atgtgagaaa actggaactt 60  
agaaaagcaa agtaaatgct catgggcaca ctactgttaa gataaatctg gnattnaaat 120  
gtaggtctct ctgattataa aactcatgnt ctttctcttg caggatgctg ccagtgaacc 180  
cagagccttt tgttttcctc caatattctc agtgctttta atatttaatg atccttcaac 240  
gtntct 246

<210> 238  
<211> 367  
<212> DNA  
<213> Homo sapiens

<400> 238  
attggagctc cccgcgggtg cggccgcccc ggcaggtagc cggggaggag gcggaagcgc 60  
agcggggggc ggaaggttgt agtgccgcga gttgagctcc tcttgccctaa gtggtcgcg 120  
cccctttaag agcagcgatt gtaaggagag gcgggtcccc tgctcctcggg tcccagggtga 180  
ttgtgaagtg ctgaccaatt gccactggac atacttgaaa caaaatagga aaatggcagc 240  
aaaccctgtc tctaaatcaa tcaatcaagc gagccagaat gcagtagtgg cctgagagag 300  
gcattcctgga acgcagtgcg gtctggctag gcttagaagt attcatgtga tttttacctg 360  
acaaggg 367

<210> 239  
<211> 432  
<212> DNA  
<213> Homo sapiens

<400> 239  
atgtgtggca caaagtaaaa atttctccat gcacttcaga tgatccatag tttccctaaa 60  
cactgtggac ttgcagagaa ggaagtgtgg gaacagcatc aacatactct tacatacagg 120  
gcctgcaaga atctcacgtg gtaggaaaaat tcatttttca accactacac ctgttctatg 180  
aatacagcaa ttggttatgt gtagagaagc atagcatcat atgtattttt acatactatt 240  
gccattacta ggttttatta gggacagAAC cttggtagaa taaaagcaca tttagaatat 300  
aatgctactt tcatcatcat ttgttatatt gtcttaatat tcttcacacc caagacttga 360  
atatatatat atatttacat ggaagtaaag tttacatgga acaatgccaa ggaaggggtt 420  
ttcaggcaac aa 432

<210> 240

<211> 541  
<212> DNA  
<213> Homo sapiens

<400> 240  
gcgtccgact tcttatgaga aatccacatt ttatccaaca aatgattatt ctataatttt 60  
ttccaatata tctattctaa ttagttcttc tccacatcag cacatttcat gctgcctttg 120  
tttatctaac tgattgtata acaatttttc aaatttggtt ttaaaattaa atattatttt 180  
ttgccttaat agcttctaaa agatcctcca cacatctaga aaacttattt ctatttttaa 240  
acaaagggtta cattaatttc tttacaagg acatcacatt gttggattgt gttgaacctg 300  
tgatgaaata aaaggctcaa ggattttctc acataaaactc tgtgaaaaca tttcctcaag 360  
tgtctgtgca atgaatgttt agtgctataa atccatctag tgtgtacctt gatttttagca 420  
tttatcatta tatcttcatt ctacttcata tattcaatat tcatgtcctt tcatatgtat 480  
acatagaagg aagagatcct gaaggacagg acaaagattc attaaaaaat attcctagtg 540  
c 541

<210> 241  
<211> 546  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(546)  
<223> n = A,T,C or G

<400> 241  
gaggagctta ctgtgtcgtg gatattcttt gaaacggttt atttcactgg ctcttacttt 60  
tgttcttact aagaatgctg tgtttaggaa aacatantga gaaaattctc tttggattaa 120  
ttactgagaa actgcatgta tcaaaacatg cactctttgc atanataaca nagaaagntg 180  
ctatttttagc aaaaataatc aatttaatga acacataagc aagagacttt gttttgacta 240  
gcgtttgttg ttaccttctc tgaagattac agtgtttgaa tttgatctaa gaagtgttaa 300  
aacaaaacgt gtctaaacaa tgaagcttga taatttaacg ttttttaaaa tgggtgaaata 360  
taaagtatca gtgaaagagt tggagatggg tatggttntc tcatctgtag gggatattcag 420  
gagccanatt gcttaattcc aactctctat caagggaaca ttaatatggg ttgtgtcaca 480  
gtgtttccct ttgncacttc atttatttgg cctaccgaga gaaggtaang aatgggaaag 540  
agatta 546

<210> 242  
<211> 531  
<212> DNA  
<213> Homo sapiens

<400> 242  
agccttcact gctgaagaat ccgattttgt gtatctcccc atctcaaaaa aagaaagaaa 60  
gaaaacagag tgtttggatg aattggtgtg gaggggtggga gtcgagaata gatgtcagga 120  
gttaatatata actggcaggt tgtcagtaaa ggtccctcag agtaagtggc ttctgagctg 180  
agcccgaat gcaaagaaag gagccagaca tgtgaggagc tgagatgacc ctctgtctagg 240  
cggagggaac atcccatgtg aaagcctaag cagggaataa gcatgctcag tctaaggatg 300  
gggtgggagt ggggggccgg agccagtatg gcagcagtg cgtgaattag tggggagtgg 360  
taggaagtga gggtggcaat agagggagca cgtgacacgg gctcttgacg gctgtgagac 420  
ctagcttatg ttgtgtttga agcatgagag taacaggagt gacttaactt tttttttttt 480  
ttaaatcctt gccactgtgt ggggaatgga ttgggttata gaggagtaga a 531

<210> 243  
<211> 315  
<212> DNA  
<213> Homo sapiens

<400> 243  
cgcgtccgca ctgcctctgt ctctgtctct catacacata tacacacaca cacacacaca 60

```
cacacacaca cactctctct ctctctctct ctctctccag tggctgttaa gttctgaagg 120
actggggact gttagacata attgaaagta aggtaacagg ctaaggagaa gctcagtttg 180
aacattgcaa tgtaaagtcc tcaaagcctg tgactttcaa gtatttctgt tgcattaatt 240
gtattttcct gcttagctgt gttcagacat agtatttgca tttcttgag ctttcattcc 300
aacagtctaa cattt 315
```

<210> 244  
<211> 490  
<212> DNA  
<213> Homo sapiens

```
<400> 244
gtactccctg gaaagtccag ctgagaaagc gatcctgccc tctgctcctc ccagggttac 60
cctcctgtaa gtcttctgct tagtggtcag aattggggga tgctgggact gggcaaggac 120
ttgtaggcaa caccocatag cctgctcatg cctgttgggt tgcctatgga tcattccctg 180
ctgggctcac tcaccggctt cgtataaggt cctttttgag gtttattatt tccttgcca 240
tatacttgat gctcttcatt ggcttgtctg ggacctgcct taggttctcc gaggcataaa 300
agggccggag agccccgag ttgggggaac tctgaagctt cttgggtggct ggaaccttgg 360
tcattcttaaa aatccttcag gttttagcct gtgcccccaa gacaaggatt tttccagaat 420
cttctacttc agtagttact ggtatgagaa gtttcggcaa cttctccctg atccccaa 480
ccaattaca 490
```

<210> 245  
<211> 356  
<212> DNA  
<213> Homo sapiens

```
<400> 245
gacaggatgt tcttccatac aaagaagtgc tcacagtctt tctggccggc cagtaagtga 60
atgatttcag gcctgggtgg caatacttgt gtccatgctt aacacagccc aaccacagta 120
gtaggcagct gaatgtaata ccgaactcca ctcatgaac tgtacttgaa cattttacc 180
actgcatggg gggaagattg gatgcatctg tccttacaca cggttcaggc atatgaacgc 240
ctagctggct gacaagagga tattgagata cgatttggat tggatacgca taattgaaca 300
ggccaggaaa gtcacccgaa ggctaaacgc ctgtactgcc ataacggtat atccat 356
```

<210> 246  
<211> 336  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(336)  
<223> n = A,T,C or G

```
<400> 246
anaagaagaa attaatagta tcagatgctc tgtttagttg attttcagca gttgagcctt 60
tcattctcca nagcttttct tgccagagaa tgtgacctt taaaactgaa aagtaactgt 120
natgtacttt cagaagtagc attttattcc cgtcactgaa accttgaaaa catncaagg 180
ttaagctgag tagttcacag atgggttggc agatcccata taaacacatg attcacctg 240
gatcagaagt aactgcngaa gccaaaatta catgcattgg tggccattg gaccgtgaag 300
ctgtgggaaa atgaaggggg aaggaaagtaa cctgaa 336
```

<210> 247  
<211> 99  
<212> DNA  
<213> Homo sapiens

```
<400> 247
ccctttcttc ttggctccct ttttgccgcc tttcgtaagg cgcttgttct tgccaaccgc 60
catggtgctg gtcagagagc caaaaggccc cgcgtacct 99
```

<210> 248  
<211> 567  
<212> DNA  
<213> Homo sapiens

<400> 248  
ggggaaactt ttaactccaa caggctcatt gtattttgtgt agattttggtt catttttgcaa 60  
agagggttca taaaattatg ggaaaccttt tccctattgt actgggagca tctctgggaa 120  
ggtgcaggtt attcccctgc ccacaaccac caccaattgc agggacaaga aatactgctc 180  
ttccgtccac ccaactccctt cgacaaaaat ctcagtacag ttctcattgc tgctgtccta 240  
aaatattctt ccccccttcc tacatcatac acactgccgc ctgcttaatc ttcccagaat 300  
ctgtcatagt atctttctct ctaaggccac ccatgactct tctttacttc acagttaagg 360  
cgagtaccgt cttttctcag taactttgtt tcccaactatt ctgccccggt cactgcagag 420  
cccacagtca cagactcggt ctaacagtggt attcaccac acgttcccta ggctcatcat 480  
tacagcctct gctgagttac aggcaaccgg caccttcaca caccttttgc ctaactgacc 540  
tattttattat ttccatcata taactca 567

<210> 249  
<211> 473  
<212> DNA  
<213> Homo sapiens

<400> 249  
caggttttac ccaactggctc taggttttgc ttacgttgca tgaagggtga ggggaggctt 60  
tcactctgcg aacttgaaat tggttgtgat cccatattct ttgattagaa cgtgaaaagt 120  
aatttgatga agcatgcgtg tgtatcatct tggcacatgc tacctttaat acttgaatgc 180  
ataatgtttt tattcctgga gccactaaat ggtgagaggt ggtcaaccaa ggcaaagggc 240  
ggtgtgggga aaatgaagaa aggctgagac agctaaaagt ttatccctat tctcccacct 300  
gtgacaagat ttccaagaac acagtaatga tggagaattg ccactatgtg tgaacctagc 360  
catgggcata cgcttatgag cgggcgcagg gaagataggc tttcgctcta agattaaaca 420  
tgcgctaagc cacttattac cacaaggcgc acctacacc cttatcccca tac 473

<210> 250  
<211> 548  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(548)  
<223> n = A,T,C or G

<400> 250  
cgcggtggcg gccgcccggg caggtagctt aaaatacata tcaaaaacac catgcaggca 60  
ccagagtcct gaaattgtca gagaatttct cacagcattg aaaagccaca agttgaccaa 120  
agctgagaag ctccagctgc tgaaccaccg gcctgtgact gctgtggaga tccagctgat 180  
ggtggaagag agtgaagagc ggctcacgga ggagcagatt gaagctcttc tccacaccgt 240  
caccagcatt ctgcctgcag agccagaggc tgagcagaag aagaatacaa acagcaatgt 300  
ggcaatggac gaagaggacc cagcatagaa gagcacagct ggccccggcg tttcatgaag 360  
tcagaaggcc tggcaagcca tttcctggac gttgagagga ttgnttattt gatttttatc 420  
ctcatcccag caggcctggc tttgtggtta gttgggtacc tcggcccgtc tctagaacta 480  
gtnggatccc ccgggcttgc aggaatttcg atatnaagct tatcgatacc cgtcgnocn 540  
gagggggg 548

<210> 251  
<211> 348  
<212> DNA  
<213> Homo sapiens

<400> 251

```
acgcggggca attagaaatt attgcagaaa gaagattcac tctcacctga tgaataagtg 60
ttcataggtg aaggctacaa aatactaatt tggtattatt ttttaataata atttttgttt 120
tgctgagaaa gtggatttac cactttttta ttttttaatc caaggaggaa aaattatttc 180
caaaccaaat cctaaaaaatt tttcacgttc taaaccagtt caagaacatt gagtaaacag 240
aaatattcca tttgtcaaag tttttcttat cggctcagat aatgaaaaaa ttgggataat 300
tgaaacaaga gaagctattg aaatggcaaa agaacaaaaa ctcgatgt 348
```

<210> 252

<211> 570

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(570)

<223> n = A,T,C or G

<400> 252

```
atnaccctac taaaggaac aaaagctggg taccggggccc cccctcgagg tcgacggtat 60
cgataacgct tgatatcgaa ttcttgcagc ccggggggatc cactagtctt agagcgggccg 120
aggtaccgca agggaaagat gaaaaattat aaccaagcat aatatagcaa ggactaacc 180
ctataccttc tgcataatga attaactaga aataactttg caaggagagc caaagctaag 240
acccccgaaa ccagacgagc tacctaagaa cagctaaaag agcacacc 300
aaaatagtgg gaagatttat aggtagaggg gacaaacctt ccgagcctgg tgatagctgg 360
ttgtccaaga tagaatctta gttcaacttt aaatttgccc acagaaccct ctaaaccctt 420
ttgtaaattt aactgttagt ccaaagagga acagctcttt ggacactagg aaaaaacctt 480
gtagaggaga ggaaaaaatt taacacccat agtaggccta aaagcagcca ccaattaaaa 540
agcgttcaag ctcaacaccc actcctaaaa 570
```

<210> 253

<211> 642

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(642)

<223> n = A,T,C or G

<400> 253

```
aggtacaaac ttagaagaaa attggaagat agaaacaaga tagaaaatga aaatattgtc 60
aagagtttca gatagaaaag gaaaaacaag ctaagacaag tattggagaa gtatagaaga 120
tagaaaaata taaagccaaa aattggataa aatagcactg aaaaaatgag gaaattattg 180
gtaaccaatt tatttttaaaa gcccatcaat ttaatttctg gtggtgcaga agttagaagg 240
taaaagnctt gagaaagatg aggggtgttt accgntagga ccaggaacca atttaggaag 300
aaatacnrtg aaggctagga agggggaagg tttgggttta aaaaaattca ncattcaaaa 360
anaggcttac ntaaaaaagg gacctnggtg gtaattttta aaaaaaaaaa cttaaagggc 420
angaagggtt tttgngaaag gaggttnaga aaggaaattt ggggaaaggg ccctttaaaa 480
atattaggta gctttaagtt ttgaaaaaaa tgtngaaagg gacnttttcg taaaccggga 540
aggttaaatt naaaggaatc aaagaagtaa ttttacccaa actttaatgg ttttttgcca 600
ttnggacctt ttgnagttta aagaatttat tttttttaaa at 642
```

<210> 254

<211> 574

<212> DNA

<213> Homo sapiens

<400> 254

```
aggtacaaac ttagaagaaa attggaagat agaaacaaga tagaaaatga aaatattgtc 60
aagagtttca gatagaaaat gaaaaacaag ctaagacaag tattggagaa gtatagaaga 120
tagaaaaata taaagccaaa aattggataa aatagcactg aaaaaatgag gaaattattg 180
```

```
gtaaccaatt tatttttaaaa gcccatcaat ttaattttctg gtggtgcaga agttagaagg 240
taaagcttga gaagatgagg gtgttttacgt agaccagaac caatttagaa gaatacttga 300
agctagaagg ggaagtgtgt taaaaatcac atcaaaaagc tactaaaagg actggtgtaa 360
tttaaaaaaaa actaaggcag aaggcttttg gaagagttag aagaatttgg aaggccttaa 420
atatagtagc ttagtttgaa aaatgtgaag gactttcgtg acggaagtaa ttcaagatca 480
agagtaatta ccaacttaat gtttttgcgcat tggactttga gttaagatta ttttttaaat 540
cctgaggact agccattaat tgacagctga ccca 574
```

<210> 255

<211> 511

<212> DNA

<213> Homo sapiens

<400> 255

```
tttcctgttt gagatgggtt atatgagctt gtatttttcta tgttacaaca aatgactgca 60
gagaggtagt ttttctttcc ctaatgacca ttaatctatg caagattttg ataaagccat 120
aaatgatgat attgtttcct ttttttcagg catgattttt ttcaatcacc tgggaatata 180
tttaattgtt tatatactgc tgagagtata gcttcattat tgaggtctct gttctaaaga 240
ttattatatt acatagaatc taattgccga cctgattctg tactttccta ataaatttat 300
gtgcacattt gatggtgtag catggacaga agttattaag tcattgattg ttgatggatg 360
tgaagaacct tcacgaataa aagtattaaa tacacttaac ctatgctcgt gcatgttatg 420
aaggaaagtg gagaccagcc ttttctctct ctgtttctgc ccagcatgcc tttgattttc 480
aaattggcgt ttttgcacat gccagtgcac t 511
```

<210> 256

<211> 341

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(341)

<223> n = A,T,C or G

<400> 256

```
aggtacattt tctctgctgc aaccagcatg ttgggcttat gatcaggagg aatgggtgatt 60
ccatattccc agcctttctc atccaccact cgatttatgt cataagacca tgcattcatc 120
tcccattccc aacctgggag gnacaagtca actcgtggg tgatgctgct ttatcgccgt 180
tcgcatcncg tgtagggtgt tcctcgcccg ccaccgccc gtgggaagct cccaatttcg 240
ccctatantg gaggtcggtg tttacgcgcg gctcacctgg ccgtcgtttt accaacgtcg 300
tgactggggg aaaaaccctg gcggtttacc caaccttaaa t 341
```

<210> 257

<211> 251

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(251)

<223> n = A,T,C or G

<400> 257

```
ttntgcacac aggactcgca ccaagaaagc tgttcagata cactgacatg gccatggatt 60
ttgagaaatn taggatggct naggaaggct caactaacat cccagaggac caactggtgt 120
ttcagcaata gnactgggcc ctaaccaagg atctggaaac atgcttagcc gaattttana 180
attgatgtgg actattcctc cttctaaata gantcganta ttaaggctat cctatcctat 240
ctcaatagtg t 251
```

<210> 258

<211> 314

<212> DNA  
<213> Homo sapiens

<400> 258  
acctgtgtgg aaaagaatgc ttgcaaagct tgtcaccctc acgagaattc ctgtgacaga 60  
catttgcctt tgacagtga aacagatatt aaagtgaag gagaagaaac cgaagagcat 120  
cagaggggac gactgggtta cttaactgtt ggggagcaat ctgaggagt gggtaccaga 180  
gaaactggcg atggcgatcc cgtgagcaac atctctcaga cccatttta atgccggggg 240  
atacttaatc atgctgaaaa acagcagagc cctgagggtt tggactaaca tgttgcagaa 300  
agaagagaaa tata 314

<210> 259  
<211> 456  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(456)  
<223> n = A,T,C or G

<400> 259  
gcnaattgga gctccccgcg gtggcgggcg aggtacacga actaaat ttaaacttta 60  
tttgctgtta aattctgtga agtttcagtt atctaaaata aatatacaca aatatgaaat 120  
ataatgtttc agattgcaag gtaatatgta atagtagtgt ttgtaagata ctcttgtcta 180  
atattaacta gtagtatttt gatttgtaca atgtcaccct cccagcaaca agaagaacaa 240  
gctactgaat cagtgtccct ttattactat ggcacaaag atttggtac tgttttcttc 300  
tacatgctag tggcgataat tattcatgcc gtaattcaag agtatatgtt ggataaaatt 360  
aacaggcgaa tgcacttctc caaaacaaaa cacagcaagt ttaatgaatc tggtcagctt 420  
agtgcgttct acctttttgc ctgtgtttgg ggcaca 456

<210> 260  
<211> 288  
<212> DNA  
<213> Homo sapiens

<400> 260  
cgaccacgc gtccgggtaa aaaaacagct ttaataaag ctgtctactt tttctagttg 60  
gcttttactt caactagtta gaatgaagt tattgttttg ttgtaggaaac ttctgaaggc 120  
cataaaaagt ctaacatata aatatatgga cagttttctg cagagtacca tgaagatcca 180  
gtcttagtat acacatttca agaactgat agctgtctct taatattaac tgctgatttt 240  
tcaggttagg atggagtgat ctcatgttgc ccattcttgc ctttactt 288

<210> 261  
<211> 147  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(147)  
<223> n = A,T,C or G

<400> 261  
aggtaccnna ngggaaagat gaaaaattat aaccaagcat aatatagcan ggactaacco 60  
ctataccttc tgcataatga atnaactaga aataactttt gcaaggagag ccaacgctaa 120  
gacccccgaa accagacgag ctaccta 147

<210> 262  
<211> 577  
<212> DNA



<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(577)

<223> n = A,T,C or G

<400> 262

```
gtcgcaccccg cgtccgctta gggaactgca atattataag tatagtaatg acngcagnng 60
agaaccataa tgatggcctc cccggcaaag aagaaccaac ccgtgttacg cctgagggtg 120
caattttttg aattttttgca gtnagaccct ggcgatgacc ttgagcagta ggngataaat 180
tccacatgct tagcgtacca gtaatggaac actaggcata aatgggttat taaagtatcc 240
anaattaaca tgcttagctg tgacattgga aaggcaatgt gtttgctgtg gcacacatac 300
tantaataaa tgactggtcc gaatttggtt ttcgtttgtc tattaaagtc aatttactaa 360
ggcagggagg gccagagct gtgctgtcca gttcaatagc catgcgtgac tgctaaggac 420
ttccaaagtg gntagtccaa tgtcaggtat gctgcaagtg tcaaacacac actggatttc 480
aaagactaaa nccaaaaaaa tgtnaaatca tctnaatatt ttggttatac tcggttnaag 540
aaaataaaat tattttttgcc ttttatgttt ttaaaag 577
```